

N. G. A. C. LIBRARY



Digitized by the Internet Archive
in 2010 with funding from
Lyrasis Members and Sloan Foundation



FACULTY AND STUDENT BODY



BAND AND BATTALION

FORTY - THIRD ANNUAL CATALOGUE

OF THE

NORTH GEORGIA
AGRICULTURAL COLLEGE

(Branch of the University of Georgia)

AT

DAHLONEGA, GEORGIA

CHARTERED A. D. 1871

The First Normal College Course Authorized by the State
(Act of 1877)

1914-1915

ANNOUNCEMENTS FOR

1915-1916

CONTENTS

Calendar 1915-1916	5
Board of Trustees	6
Faculty and Officers 1914-1915	7
Faculty Committees	8

GENERAL INFORMATION:

a. Origin and purpose of the College	11
b. Location	11
c. Forty Years Old	12
d. Health Record	13
e. Additions to Farm	14
f. The College Library	14
g. New Industrial Building	15
h. Election of Studies	16
i. Literary Societies	16
j. The Dormitories	17
k. Room Furnishings	17
l. Expenses	18
m. The Chas. McDonald Brown Fund	19
n. Miscellaneous	19
o. Special Advantages at this Institution	20
p. Athletics	21

ADMISSION REQUIREMENTS:

a. English	22
b. Reading	23
c. Mathematics	25
d. Latin	26
e. History	27
f. Modern Languages	27
g. Science	27
h. Drawing	29
Department of Philosophy and Education	29
Department of Physics, Chemistry and Geology	32
Department of Mathematics	33
Department of English Language and Literature	35
Department of Latin	36
Department of History and Political Science	37
Department of French	39
Department of Oratory	39
Department of Domestic Science	41
Schedule of Studies Leading to A.B., B.S., and B.P.H. Degrees	44
Department of Business Administration	46
Accounting	47
Banking and Accounting	48
The Typewriting Course	50
Business and Eng. Com. Correspondence	50
Department of Business Administration Leading to B.B.S. Degree	52

CONTENTS---Continued

DEPARTMENT OF AGRICULTURE:

a. Aim and Object	53
b. The Field of the School .. .	53
c. Possibilities in Agriculture	54
d. Laboratories and Equipments	54
e. Experimental Farm	55
f. Degrees and Certificates	55
g. Outline of Instruction	55
Agronomy	55
Animal Husbandry	57
Botany	59
Horticulture	59
Bacteriology	60
Veterinary Science	60

DEPARTMENT OF MINING ENGINEERING:

a. Announcement	63
b. Requirements for Admission	65
c. English	66
d. Mathematics	67
e. Mechanical Section	67
f. Civil Section	68
g. Metallurgy	69
h. Metallurgical Laboratory Practice	72
i. Mineralogy	73
j. Geology	74
k. Mining Section	75
l. Dynamo Electric Machinery	77
m. Shop Practice	77
n. Gas Engine Laboratory	79
o. Course—Mining Engineering	79
Preparatory Department	81
Course of Study	82
Schedule of Study for Preparatory Classes	86

MILITARY DEPARTMENT:

a. Commandant of Cadets	86
b. Battalion Field Staff and Non-Commissioned Staff	87
c. Band	87
d. Companies	88
e. Rifle Club	88
f. Barracks	89
g. Advantages of Military Education and Training	89
h. Instruction	90
i. Uniforms	90
j. Uniform Expenses	91
Medals 1914	92
Roll of Students 1914-1915	93
Summary	99
Number of Students from Georgia Counties	99
Graduates of the N. G. A. College.....	100
Index	111



Prof. WILSON



Mrs. NEWMAN



Prof. SNYDER



Lieut. HARRIS



Lieut. KAEMPTER



Prof. ANGEBERG



Coach BRANNEN



Prof. WRAY



MAIN BUILDING.

CALENDAR, 1915-16

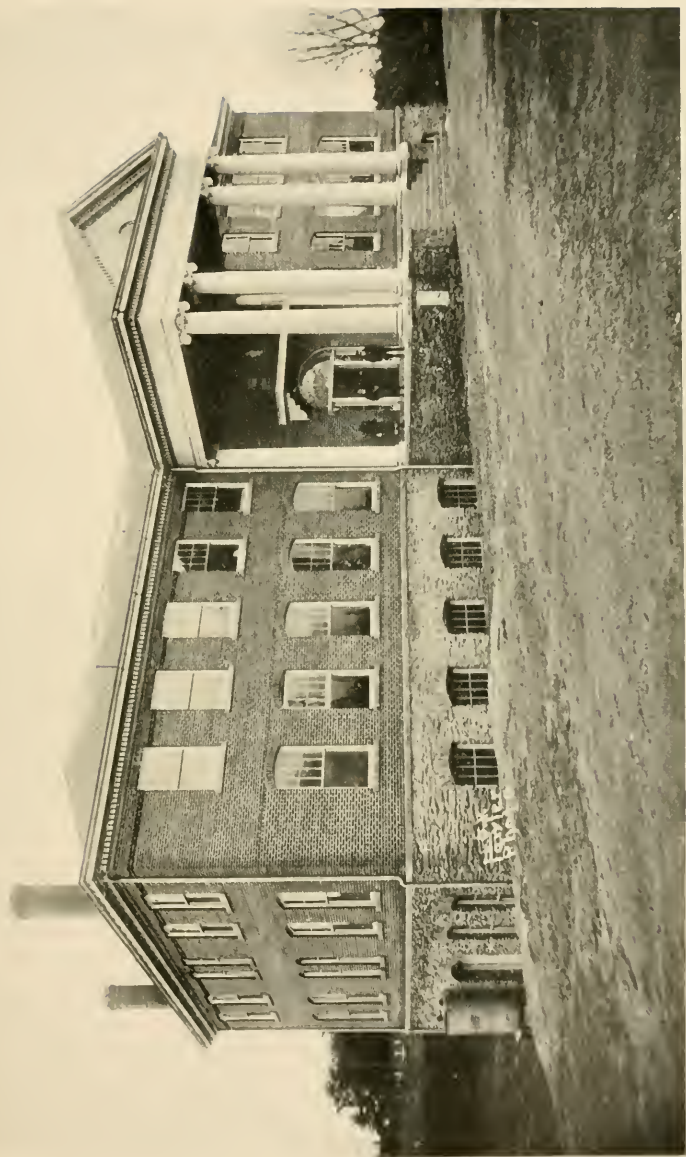
Fall Term Begins	September 1, 1915
Entrance Examinations	September 1-2
National Thanksgiving	November 25
Christmas Holidays	December 22 until January 5, 1916
Fall Term Ends	December 31
Spring Term Begins	January 1, 1915
Lee's Birthday	January 19
Field Day	April 1
Decoration Day	April 26
Commencement Sermon	Sunday, June 4
Annual Meeting of Board of Trustees	Monday, June 5
Commencement Day	Wednesday, June 7

BOARD OF TRUSTEES

W. B. McCANTS, President	Winder
D. L. COOK	Dahlonge
R. H. BAKER, Secretary	Dahlonge
R. C. MEADERS	Dahlonge
F. CARTER TATE	Jasper
JOHN P. CHENEY	Marietta
A. S. HARDY	Gainesville

FROM THE UNIVERSITY BOARD

HOWARD THOMPSON	Gainesville
HARRY HODGSON	Athens
J. LINDSAY JOHNSON	Rome



INDUSTRIAL BUILDING

FACULTY AND OFFICERS

1915-1916.

- ✓ DAVID C. BARROW, LL.D., Chancellor of the University.
- ✓ GUSTAVUS R. GLENN, A.M., LL.D., President.
- ✓ BENJAMIN P. GAILLARD, A.M., Vice-President, Profeser Chemistry, Physics, Geology.
- ✓ ELIAS B. VICKERY, A.M., Profesor of Latin, Language and Literature.
- ✓ GEORGE W. CAMP, A.B., A.M., Master's Diploma, Sec. Ed., Profes-
sor of English Language and Literature, also Philosophy and Education.
- ✓ J. C. BARNES, B.S., Professor of Mathematics and Astronomy.
- WILBE R. WILSON, B.S., Agr., Professor of Agriculture.
- ✓ E. L. FLOYD, Ph.B., Professor of History and Economics.
- C. B. WRAY, Professor of Business Science.
- ✓ F. ANGELBERG, Professor of German and Director of Band.
- ✓ BYRON J. SNYDER, B.S., Met. E., Professor of Electrical and Min-
ing Engineering.
- ✓ W. L. ASH, A.B., Secretary, Assistant Professor English.
- ✓ CLIFF BRANNEN, B.S., Assistant Professor of Mathematics.
- ✓ MRS. H. S. NEWMAN, Domestic Science.
- MISS GEORGEANA PEET, A.B., Professor Elucution and French.
- ALBERT B. KAEMPFER, First. Lieut. Infantry, U. S. A., Professor
Military Science and Tactics, and Commandant of Cadets.
- MISS OLA HEAD, Librarian.
- HOMER HEAD, M.D., College Surgeon.

FACULTY COMMITTEES

COURSE OF STUDY.

GEORGE W. CAMP, Chairman.

J. C. BARNES

W. L. ASH

DORMITORY.

GEORGE W. CAMP, Chairman.

C. B. WRAY

W. L. ASH

LIBRARY.

GEORGE W. CAMP, Chairman.

J. C. BARNES

B. P. GAILLARD

BROWN FUND.

DR. G. R. GLENN, Chairman.

E. B. VICKERY

B. P. GAILLARD

CATALOGUE.

DR. G. R. GLENN

E. L. FLOYD

B. P. GAILLARD

BYRON J. SNYDER

GEORGE W. CAMP

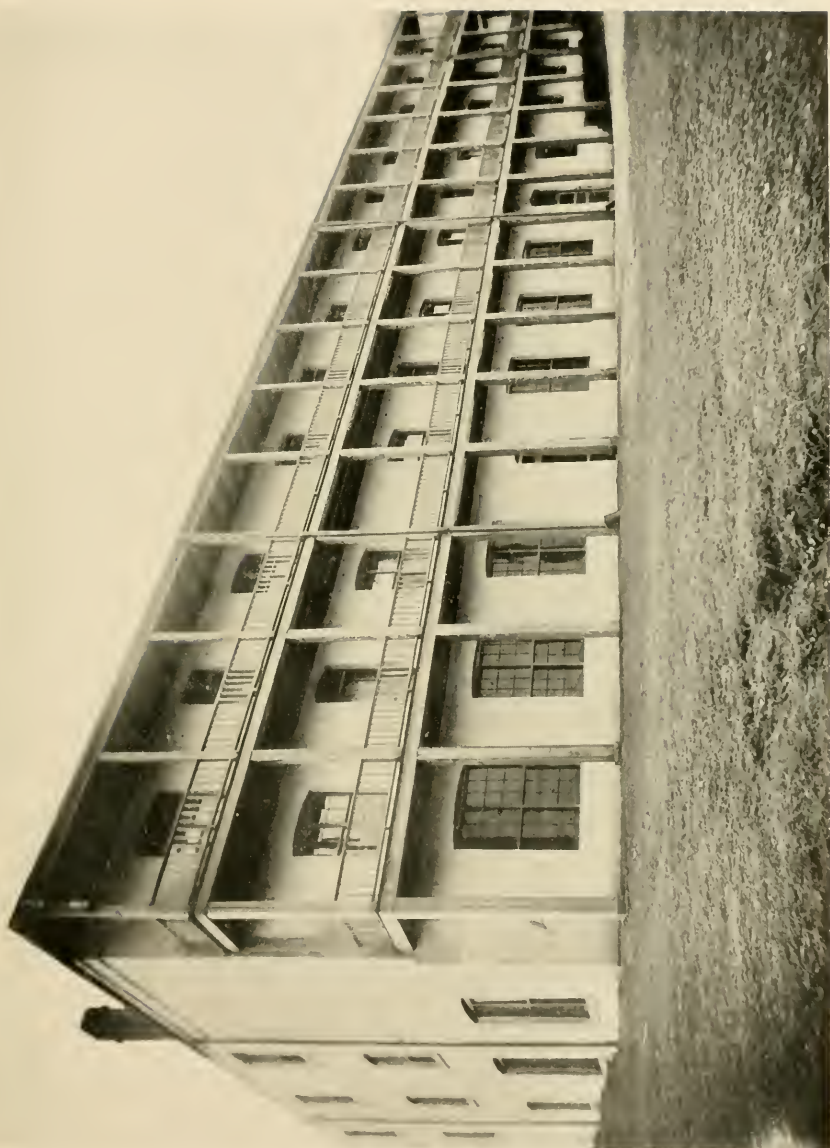
ATHLETICS.

E. L. FLOYD, Chairman.

W. R. WILSON

B. J. SNYDER

CLIFF BRANNEN



NEW DORMITORY

SCHEDULE OF RECITATIONS 1915-16

9:00-9:45 A. M.	I.	Freshman English, Prof. Camp	(4)
	A. M.	Senior Science, Prof. Gaillard	(5)
		Sophomore Latin, Prof. Vickery	(5)
		Junior Mathematics, Prof. Barnes	(5)
		Sophomore History, Prof. Floyd	(3)
		Third Business, Prof. Wray	(5)
		Second English, Prof. Ash	(5)
		Sophomore Mining, Prof. Snyder	(5)
		First Science, Prof. Brannen	(5)
		Senior French, Miss Peet	(3)
		Sophomore Agriculture, Prof. Wilson	(5)
		First Domestic Science, Mrs. Newman	(3)
		Freshman Expression, Miss Peet	(1)
9:45-10:30 A. M.	II.	Sophomore English, Prof. Camp	(4)
	A. M.	First Latin, Prof. Vickery	(5)
		Freshman Mathematics, Prof. Barnes	(5)
		Second History, Prof. Floyd	(5)
		Third English, Prof. Ash	(5)
		Sophomore Business, Prof. Wray	(5)
		Junior Mining, Prof. Snyder	(5)
		First Business, Prof. Brannen	(5)
		Junior Agriculture, Prof. Wilson	(5)
		Junior French, Miss Peet	(3)
		Senior Domestic Science, Mrs. Newman	(3)
		Sophomore Domestic Science, Mrs. Newman	(3)
		Sophomore Expression, Miss Peet	(1)
10:30-11:15 A. M.	III.	Junior Ed., Prof. Camp	(3)
	A. M.	Junior Science, Prof. Gaillard	(5)
		Senior Mathematics, Prof. Barnes	(5)
		Freshman History, Prof. Floyd	(3)
		Second Latin, Prof. Ash	(5)
		Freshman Mining, Prof. Snyder	(5)
		First Mathematics, Prof. Brannen	(5)
		Sophomore French, Miss Peet	(2)
		Sophomore Expression, Miss Peet	(2)
		Third Science, Prof. Wilson	(3)
		Third Domestic Science, Mrs. Newman	(5)
		Second Business, Prof. Wray	(5)
11:15-12:00 M.	IV.	Senior Ed., Prof. Camp	(3)
	A. M.	Sophomore Ed., Prof. Camp	(3)
		Junior Latin, Prof. Vickery	(3)
		Third Mathematics, Prof. Barnes	(5)
		First History, Prof. Floyd	(5)
		Senior Mining, Prof. Snyder	(5)
		Second Science, Prof. Brannen	(5)
		Freshman French, Miss Peet	(3)
		Freshman Expression, Miss Peet	(2)
		Freshman Agriculture, Prof. Wilson	(5)
		Freshman Domestic Science, Mrs. Newman	(3)
		Freshman Domestic Science, Mrs. Newman	(2)
		Senior Latin, Prof. Vickery	(2)
		Freshman Business, Prof. Wray	(5)
		Sophomore Science, Prof. Gaillard	(5)

V.	Drill, A. and B. Companies	(5)
12:00-1:15 P. M.	Band	(5)
	Domestic Science Laboratory, Girls	(5)

VI.	Dinner.	
1:15-2:00 P. M.		

VII.	Junior English, Prof. Camp	(3)
2:00-2:45 P. M.	Senior English, Prof. Camp	(2)
	Laboratory Science, Prof. Gaillard	(5)
	Freshman Latin, Prof. Vickery	(5)
	Sophomore Mathematics, Prof. Barnes	(5)
	Third History, Prof. Floyd	(4)
	Junior and Senior Business, Prof. Wray	(5)
	First English, Prof. Ash	(5)
	Mining Laboratory, Prof. Snyder	(5)
	Senior Agriculture, Prof. Wilson	(5)
	Junior Domestic Science, Mrs. Newman	(5)

VIII.	Freshman Ed., Prof. Camp	(3)
2:45-3:30 P. M.	Freshman Science, Prof. Gaillard	(5)
	Third Latin, Prof. Vickery	(5)
	Junior History, Prof. Floyd	(3)
	Senior History, Prof. Floyd	(2)
	Laboratory Business, Prof. Wray	(5)
	Second Mathematics, Prof. Ash	(5)
	Mining Laboratory, Prof. Snyder	(5)
	Agricultural Laboratory, Prof. Wilson	(5)
	Domestic Science Laboratory, Mrs. Newman	(5)

IX.	Science Laboratory, Prof. Gaillard	(5)
3:30-4:15 P. M.	Mining Laboratory, Prof. Snyder	(5)
	Business Laboratory, Prof. Wray	(5)
	Domestic Science Laboratory, Mrs. Newman	(5)
	Agricultural Laboratory, Prof. Wilson	(5)
	Psychological Laboratory, Prof. Camp	(5)

College adjourns at 4:15 daily.

NOTE: Numbers in parenthesis refer to hours per week.

General Information

ORIGIN AND PURPOSE OF THE COLLEGE.

This College owes its origin to the Act of Congress of July 2, 1862, entitled "An Act donating public lands to the several States and Territories which may provide colleges for the benefit of agriculture and mechanic arts." The Act contemplates the "endowment, support and maintenance of at least one college, where the leading object will be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts in such manner as the legislature of the States may respectively prescribe, in order to promote the liberal and practical education of the industrial classes."

The fund having been received by the State, the interest of it was placed under the control of the Trustees of the University by which the North Georgia Agricultural College became a department of the University, the title of the above property being conveyed to the Trustees of the University on the conditions specified in the donation, the Trustees of the University appointing the President of the College, making a certain allowance for its support, to-wit: \$2,000 annually, and exercising over it a general supervision.

LOCATION.

The College is located at Dahlonega, twenty-five miles north of Gainesville, and sixteen miles west of Brookton. Gainesville is on the Southern Railway, and Brookton on the Gainesville and Northeastern Railway. Except in very bad weather, the roads are good from either of these stations,

and the trip to Dahlonega can be made in an automobile in an hour and a half from Gainesville, or about an hour from Brookton. Dahlonega is a quiet mountain town, almost surrounded by the Blue Ridge Mountains. The location of the College Buildings is about fifteen hundred feet above sea level, and entirely free from all malarial poisons. Dahlonega is famed for the healthfulness of its location. There is no finer climate on earth than we have here at the foot-hills of the Blue Ridge Mountains.

FORTY-THREE YEARS OLD.

The Institution completes this year its forty-third session. Approximately, seven thousand young people of the State have received a part, and in many cases all of their higher education here. Many of the men who are now the aggressive and constructive leaders in all sections of the State, received their training here. These men are all excellent witnesses, bearing testimony to the high value of military training combined with academic discipline. Military training makes a boy prompt, reliable, and vigorous in physical efficiency. While the academic work that he does here makes him strong, self reliant, and eager to win. The Institution is the oldest branch of the State University, and it can modestly claim it's full share of intelligent and efficient leaders among the constructive workers of the State. If an institution is to be measured by the number of men it contributes to the active and progressive forces of civilization, this Institution will compare favorably with any college in the country. It is not the noisy school that is continuously placing itself in the lime light, that develops either the scholar or the strong leader of men. Both scholarship and effective leadership are usually born in some quiet retreat removed from the noise and distraction of the outside world.

HEALTH RECORD.

Dahlonega is known far and wide for its fine climate. The elevation is 1500 feet above the sea level. Nature seems to

OLD DORMITORY



have designed the location at the foot hills of the Blue Ridge as a health resort and a seat of learning. There are no mosquitoes, no malaria, and the place is kept so well drained and clean, that there are comparatively but a few flies even in the summer. The place is practically free from all the diseases that ordinarily attack people in lower altitudes. For many years we have not had a case of serious sickness in our dormitories. Our boys usually gain in weight from twenty to thirty pounds during the year. Our dormitories are kept in the finest sanitary condition during the entire year. No institution in the State has a finer health record than this Institution has had from the beginning.

ADDITIONS TO THE FARM.

--

During the past year our Board of Trustees purchased thirteen acres of land lying adjacent to the college farm. This will make available for the use of the Agricultural Department about forty acres of good farm land. It is the aim and object of the Agricultural Department to operate each branch of the farm work in a practical, economic manner that it may be an object lesson to the student, and illustrate the class room work.

New machinery has also been added to the equipment of the College Farm during the past year, and we hope in the near future to erect a modern barn and a silo. When these things are accomplished we will be able to actually show the student and farmers the many advantages of raising live stock, and the profits to be derived from the maintenance of a modern dairy.

OBEDIENCE TO RIGHTFUL AUTHORITY.

Obedience to law is the first and last lesson taught at Dah-longa. No man can command until he has first learned to obey. This lesson is in the very atmosphere about the college grounds. It is impressed with the first order, and is emphasized with the last command. If the young people of our

country can be properly trained to respect law, and thoroughly taught to obey all rightful authority, the time would soon come when we would have no need for criminal courts.

A QUIET PLACE FOR UNDISTURBED STUDY.

The College is far removed from the noisy and distracting influences of city life. A young man has nothing here to divert him from his regular and appointed tasks. He retires at night at the sound of taps, and rises in the morning at the bugle call. His meals are served at fixed hours. His daily habits, study and work are appointed for him, and he lives by the law of good health and good conduct. It is not surprising that under this manner of life our young people gain from ten to thirty pounds each year.

LIBRARY.

Although our Library has been badly handicapped since the burning of Bostwick Hall, yet it is still a valuable asset in college work. There are some 5,000 books, beside government publications. In addition to this, the leading magazines are taken. The books have been selected with reference to being used by students, furnishing auxiliary information on topics of daily interest. The librarian is sympathetically co-operative with students and helpful to the faculty. The faculty assists students in their reading by giving references that may be found among books on hand. In an important sense the Library is our academic laboratory, in which problems are worked out.

The books have been catalogued according to the Carnegie Library system, and are readily accessible.

In addition to the main library a special departmental professional library is being built up in connection with the Department of Philosophy and Education. This is to be made a strong factor in this work. It is the intention of the College authorities to continue to make the library more and more up-to-date and useful.

NEW INDUSTRIAL BUILDING.

The new Industrial Building is a brick structure sixty feet wide and one hundred and twenty feet long, three stories high, well lighted and equipped with steam heat and lavatories on each floor.

The building provides quarters for the departments of Mining and Electrical Engineering, Agriculture, Chemistry, Domestic Science, Mathematics and offices for the President and Commandant.

The Manual Training Department, Assay and Metallurgical laboratories are housed on the ground floor of this building. The shops are equipped with the most up-to-date machinery; the machines used being those best adapted to instruction.

The Wood-Working Shop is equipped with a twenty-six inch Frank Cabinet Planer, Baker Universal Saw, Hand Planer, Jig Saw, etc. With the use of these machines it is possible to do the best kind of wood work.

The Machine Shop contains drill presses, metal lathes, etc. The Wood-Turning Shop is equipped with most up-to-date wood lathes.

The power for the shops is supplied by a 20 H. P. Foos gasoline engine.

With the present equipment of this department it is possible to provide what every young man should know—hand knowledge—the use of tools—as no young man of the present day is thoroughly equipped without this training.

The Department of Agriculture, Mining Engineering and the President's and Commandant's offices are situated on the first floor.

The Second floor provides ample room for the Departments of Chemistry, Domestic Science, Drafting and Mathematics. The drafting room is an especially well lighted and pleasant room.

LITERARY SOCIETY.

The Literary Society at Dahlonga is a standard part of college work, and there arises from it a spirit that is academic and practical. It is co-existent with the college. From its halls have gone men equipped in thought and power of expression, to become leaders at the bar and in legislative halls.

No part of one's college course is more valuable than the training derived from taking an active part in a good literary society. It is here one learns to think and to express himself while standing; to meet his antagonist in mental contests.

There are two well-organized literary societies here—the Decora Palaestra and the Phi Mu. They furnish unexcelled opportunities to students who wish to develop and improve themselves in Elocution, Reading, Composition and Debate. They meet each Saturday evening.

Joint debates are arranged between these societies at regular intervals during each term. The champion debate between these societies is held during commencement week and form an important part in the regular exercises.

Intercollegiate debates will be arranged whenever practicable, and offer splendid opportunities for displaying true college spirit. Also the drill in the use of parliamentary law is an important consideration, and can nowhere be better developed than here.

ELECTION OF STUDIES.

A.B., B.S., and B.Ph. students above Sophomore class will be allowed to select their studies, so far as the schedule of recitations will permit, after consultation with a special committee appointed from those members of the faculty with whom the work of these courses is done, the decision of that committee being subject to other regulations regarding irregular courses.

All students in the Prep classes will be required to take some regular course laid down in the catalogue. Students in



BOYS' TEAM



TENNIS CLUB

the collegiate classes who wish to take irregular courses shall have at least five studies a day, two laboratory periods being counted as one study. Exceptions to this rule will be made only in case of students who file with the chairman of the committee on courses the college surgeon's certificate of physical disability.

THE DORMITORIES.

The dormitories on the College grounds will accommodate 150 students. Each dormitory is under the immediate supervision of resident members of the faculty, thus securing personal attention to the needs of the students that can be brought about satisfactorily in no other manner.

The system of discipline employed in the dormitories is, as it is throughout the College, military in its nature, but so arranged as to give to each student all the liberty warranted by continued good conduct and high class standing.

All male students, except those who live here and those who are able to make more economical arrangements elsewhere, are required to live in the dormitories.

ROOM FURNISHINGS.

Students will furnish Toilet Articles, Bed Clothing and Pillow. Board will be \$11.00 per month of four weeks, payable in advance. This will include electric lights and heat.

It is recommended that cadets express or ship all articles needed in rooms, such as cover, pillow, etc., at least one week before they expect to arrive in Dahlonga. These articles should be directed to the Superintendent of Barracks, Dahlonga, Ga. (via Gainesville).

When this course is followed out the cadet will find the articles placed in his room on arrival, thus obviating the inconvenience due to delays occasioned by not receiving trunks promptly.

The general control of the dormitories is vested in the President and Faculty, who will make and enforce such rules as may appear necessary to secure the best results.

EXPENSE.

Breakage Deposit	\$ 2.50
Incidental Fee (per year)	10.00
Books and Stationary (per year)	15.00
Washing, about (per year)	10.00
Library Fee (per year)	2.00
Dormitory Board, about (per year)	100.00
Typewriting Fee(per year)	6.00
Chemistry Fee (per year)	4.00
Blue cap, blue blouse, grey trousers and black shoes	18.75
Two pairs white duck trousers	2.50
Service cap, blouse, trousers, and tan shoes	18.25
One pair leggings	.65
White belt, and half dozen pairs of white gloves.	1.75
One-half dozen standing collars	.75
Olive drab shirts	1.50
Biological Fee (per year)	2.00
Quantity Chemistry Fee (per year)	6.00
Soil Physics Fee (per year)	2.00

Students entering College January 5th, the beginnig of the Spring Term, are required to pay only a proportional part of the above mentioned expenses.

When no damage to College property is charged against a cadet, the breakage fees will be returned at the end of the school year.

Annual expenses are made as economical as possible, and will run from \$150.00 to \$175.00. When students bring their supplies from home, expenses can be reduced to an amount not exceeding \$80.00

The expenses of the first month of the term include nearly all but the monthly board and washing, and amount to nearly \$60.00. In order that a student shall start promptly and efficiently in his class, provision should be made for this.

A student bringing the appointment by his county school commissioner, representative, or senator, will be allowed a

credit of \$2.50 on his incidental fee, for the term for which he is appointed, thus making matriculation fee \$2.50 per term. This certificate must be presented on entering college.

The estimate does not include traveling expenses to and from College. Stage fare from Gainesville to Dahlonga is \$1.50 for each person and 50 cents for each trunk. Pocket-money depends on individual wishes, but should be moderate.

The special fees are charged only those who take a particular subject and are intended to cover merely the cost of material.

Some expenses that can not be foreseen will necessarily occur, but parents and students can feel assured that so far as the College is concerned, everything will be managed on the most economical basis.

THE CHARLES McDONALD BROWN FUND.

From the Charles McDonald Brown Scholarship Fund the institution receives \$1,170.00 annually. This is to aid worthy young men who are unable to pay their way through college. The applicant must be at least eighteen years of age, in good health, and must reside in one of the following counties: Rabun, Habersham, Towns, Union, Fannin, Dawson, Murray, White, Lumpkin, Gilmer, Pickens, Cherokee and Forsyth in Georgia, and Oconee, Anderson, and Pickens, in South Carolina.

This sum will be divided into sixteen equal parts allowing one part to each county. It is the purpose of the bequest to aid one young man from each of the counties above named. All applications must be sent to the Chairman of the Brown Fund Committee on or before September 1st of each collegiate year.

MISCELLANEOUS.

Students, on arriving, must immediately report at the dormitories and must at once consult the President about arrangements for board and for directions about registration.

The discipline of the College is under the immediate direc-

tion of the Commandant of Cadets. Serious offenses against good order are passed upon by the entire faculty.

The Fall Term begins always on the first Wednesday in September, and the Spring Term ends the first Wednesday in June.

During the last session we had students from about seventy counties in Georgia. Almost without exception students who spend a year here are greatly improved in health. We have "plain living and high thinking" in the mountains. We encourage athletic sports, but do not allow them to conflict with the students' academic work. The average gain in weight for the past year is about 20 pounds.

The average age of a male student is over eighteen years, and a large majority are young men defraying their own expenses. This is not the school for idleness and frivolity, for fun and dissipation; but manly sports, innocent pleasures, regular physical training for all, hard study and excellence in character are the requisites for all who remain here.

SPECIAL ADVANTAGES AT THIS INSTITUTION.

1. There is no finer climate in the world than we have at the foot-hills of the Blue Ridge Mountains.

2. Complete isolation from the diversions of a noisy and distracting city life.

3. The regular and the orderly life that a boy lives here is conducive to the formation of habits that will make him regular and orderly in after life.

4. Everybody is taught here that he must depend upon himself, and that he must first learn how to obey before he can learn to command.

5. The military training that a boy gets here makes him observant, accurate, prompt, and reliable.

6. In additon to the A.B. and the B.S. Courses, we have full courses in Agriculture, Mining, Engineering and Business.



FOOTBALL TEAM

7. Our boys live in our own dormitories, where they are under the immediate control of our own officers all the time.

8. All of the expenses for a year here, including board, fuel, lights, washing, clothing, books, fees, etc., can be covered by the expenditure of from \$150.00 to \$175.00.

ATHLETICS.

We provide for a reasonable amount of athletics for our students. We have tennis, basket ball, baseball, and football. We endeavor to conduct all of our field sports so as not to allow them to interfere with the academic work of our students. A proper amount of outdoor exercise is wholesome and profitable. The great danger is, that young people may become so absorbed in athletic sports that they will neglect their regular college work. Therefore, if a student fails to make his passes here, he is excluded from all the teams until he makes good in his classes. On the 1st of April of each year, we have a general field day, devoted to contests in all manner of field sports. We are gradually enlarging and improving our equipments for all proper physical development in our students.

ADMISSION REQUIREMENTS.

A fourteen units entrance requirement is now in force at the North Georgia Agricultural College. By a UNIT is meant one approved high school subject that has been pursued for **one year** of not less than **thirty-six** weeks with not less than **four recitation** periods per week each of which is not less than **forty-five minutes**. This requirement also means that at least the seventh grade grammar school must be completed before the high school or prep work is begun.

Students are admitted into the Freshman class by a satisfactory examination on the subjects enumerated in the College Entrance Requirements or by the presentation of a properly filled out certificate from "an accredited high school" as enumerated by the University of Georgia.

In view of the dormitory system of boarding and the mili-

tary system of discipline **no student under fifteen years old will be admitted** except such as are put under care of parent or guardian residing near the College.

COLLEGE ENTRANCE REQUIREMENTS.

Minimum Requirements in English, 1915-19.

Reading and Practice.—One and one-half units, including study of Rhetoric.

Preparation for this part of the work should include the student's ability of writing two or three paragraphs on each of several topics to be selected from a considerable number of books. The power to write good English will always be regarded to show the student's power of clear and accurate expression, and calls for only a general knowledge of the substance of the books. It is important that the student shall have a thorough knowledge of the fundamental principles of elementary rhetoric.

BOOKS FOR STUDY.

One book should be selected from each of the four groups:

Group I.—Drama.

Shakespeare: Julius Caesar; Macbeth; Hamlet.

Group II.—Poetry.

Milton: L'allegro; II Penseroso, and either Comus, or Lycidas.

Tennyson: The Coming of Arthur; The Passing of Arthur, and the Holy Grail. Selections from **Wordsworth**, **Shelley** and **Keats**, in book IV of Palgrave's Golden Treasury,

Group III.—Oratory.

Burke: Speech of Conciliation with the American Colonies.

Macaulay: Speech on Copyright. **Lincoln:** Cooper Union Address.

Washington: Farewell Address. **Webster:** Bunker Hill Oration.

Group IV.—Essays.

Carlyle: Essay on Burns, selections from Burns' Poems.
Macaulay: Life of Johnson. **Emerson:** Essay on Manners.

BOOKS FOR READING.

At least two books are to be selected from each of the five groups except as otherwise provided for under Group I.

Group I.—Classics in Translation.

The Old Testament: Comprising at least the chief narrative episode in **Genesis, Exodus, Joshua, Judges, Samuel, Kings and Daniel:** The Odyssey translated by George Herbert Palmer with the omission of desired parts of books I, II, III, IV, V, XV, XVI, XVII. **Homer:** The Iliad translated by William Cullen Bryant with the omission of the desired parts of books XI, XIII, XIV, XV, XVII, XXI. **Virgil:** The Aeneid translated by Theodore C. Williams.

Note: For any selection from Group I, a selection from any other group may be substituted. The Odyssey, Iliad and Aeneid should be read in English translations of recognized literary merit.

Group II.—Shakespeare.

A Midsummer Night Dream. The Merchant of Venice. As You Like It. Twelfth Night. The Tempest. Romeo and Juliet. King John, Richard the Second, Richard the Third. Henry the Fifth, Coriolanus. Julius Caesar.* Macbeth. Hamlet.*

*If not selected for study.

Group III.—Prose Fiction.

Malory: Morte d'Arthur. **Bunyan:** Pilgrim's Progress, part I. **Swift:** Gulliver's Voyages to Lilliput and to Brob-

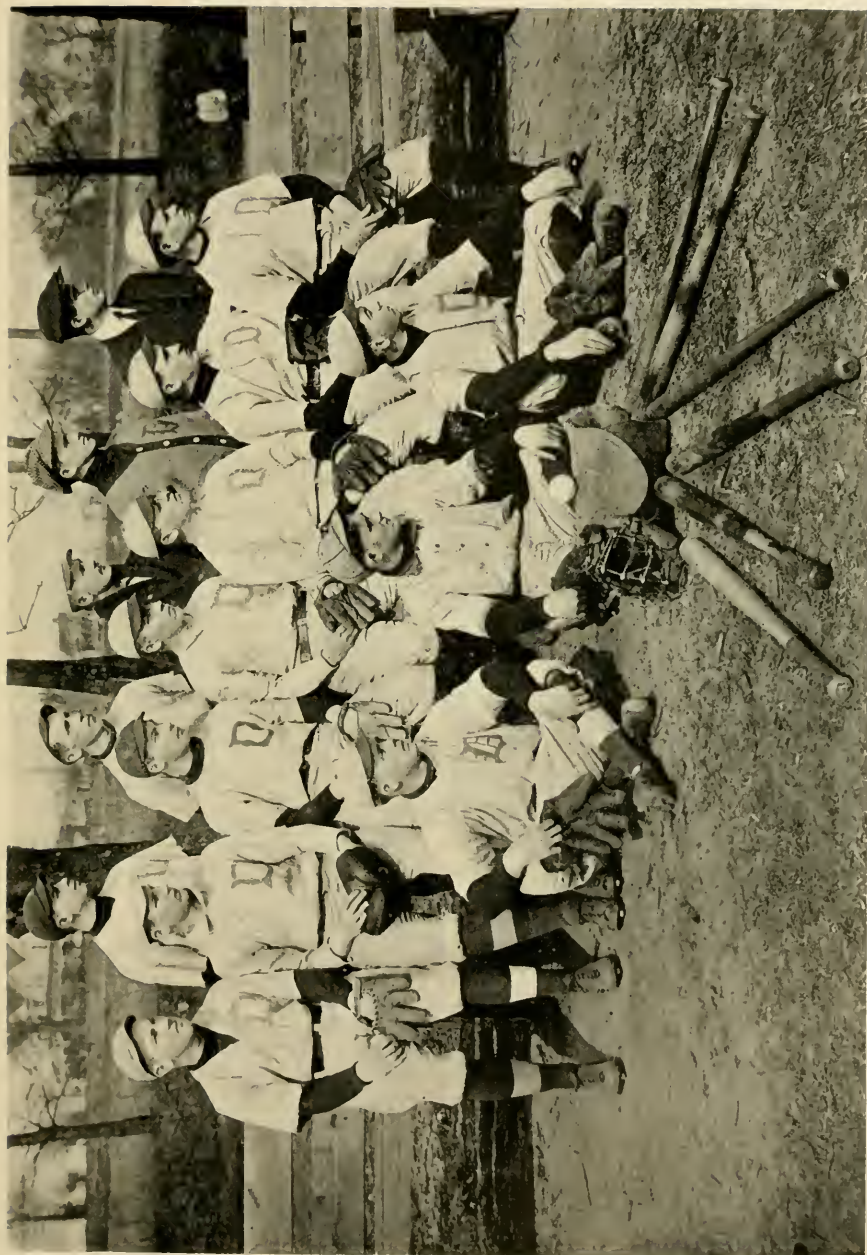
dingnag. **Defoe**: Robinson Crusoe, part I. **Goldsmith**: Vicar of Wakefield. **Scott**: Ivanhoe or Quentin Durward. **Jane Austin**: Any one novel. **Maria Edgeworth**: Castle Rackrent, or the Abente. **Frances Burney (Madam d' Arblay)**: Evelina. **Dickens**: A tale of Two Cities. **Thackeray**: Henry Esmond. **George Eliot**: Silas Marner. **Mrs. Gaskell**: Cranford. **Kingsley**: Westward Ho! or Hereward the Wake. **Reade**: The Cloister and the Hearth. **Blackmore**: Lornier Doone. **Hughes**: Tom Brown's School Days. **Stevenson**: Any one novel. **Cooper**: The Spy, or The Last of the Mohicans. **Poe**: Selected Tales. **Hawthorne**: Any one novel.

GROUP IV—ESSAYS AND BIOGRAPHY.

Addison and Steel: The Sir Roger de Coverly Papers or Selections from The Tattler and the Spectator. **Boswell**: Selections from The Life of Johnson. **Franklin**: Autobiography. **Irving**: Selections from The Sketch Book, or the Life of Goldsmith. **Southey**: Life of Nelson. **Lamb**: Selections from the Essays of Elia. **Lockhart**: Selection from the Life of Scott. **Thackeray**: Lectures on Swift, Addison and Steele in the English Humorists. **Macaulay**: Lord Clive, Warren Hastings, Milton, Addison, or Goldsmith. **Trevelyan**: Selections from the Life of Macaulay. **Ruskin**: Sesame and Lilies. **Dana**: Two Years before the Mast. **Lincoln**: Selections. **Parkman**: The Oregon Trail. **Thoreau**: Walden. **Lowell**: Selected Essays. **Holmes**: The Autocrat of the Breakfast Table. **Stevenson**: Inland Voyage and Travels with a Donkey. **Huxley**: Autobiography and Selections from Lay Sermons. A collection of essays by **Bacon**, **De Quimcey**, **Emerson**, **Hazlitt** and other writers.

GROUP V—POETRY.

Palgrave's Golden Treasury, Books II and III, with special attention to **Dryden**, **Gray**, **Cowper**, **Burns** and **Collins**. Book IV, with special attention to **Wordsworth**, **Keats** and



BASEBALL TEAM

Shelley (if not chosen for study). **Goldsmith**: The Traveller and the Deserted Village. **Pope**: The Rape of the Lock, A Collection of English and Scottish Ballads as Robin Hood, The Battle of Otterburn, King Estmere, Young Beichan, Bewick, Grahame, Sir Patrick Spens. **Coleridge**: The Ancient Mariner, Christabel and Kubla Khan. **Byron**: Child Harold—Canto III, or The Child Harold, Canto IV, and The Prisoner of Chillon. **Scott**: The Lady of the Lake, or Marmion. **Macaulay**: The Lays of Ancient Rome, The Battle of Naseby, The Armada, Ivry. **Tennyson**: The Princess, Gareth and Lynette, Lancelot and Elaine, The Passing of Arthur. **Browning**: Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incidents of the French Camp, Hervey Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, "De Gustibus," The Pied Piper Instans Tyrannus. **Arnold**: Sohrab and Rustum and The Forsaken Merman. Selections from American poetry, with special attention to Poe, Lowell, Longfellow and Whittier.

MATHEMATICS.

a. Algebra.

(1) To quadratics—one unit.

The four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and lowest common multiple by factoring; fractions including complex fractions, ratio and proportion; linear equations; radicals, including the extraction of the square root of polynomials and of numbers; exponents, including fractional and negative powers.

(2) Quadratic equation, binomial theorem, and progressions. One-half unit.

Simple cases of equations with one or more unknown quan-

tities that can be solved by the method of linear or equdratic equations.

Problems depending upon quadratic equations.

The binominal theorem for positive integral exponents.

The formulas for the 4th term and the sum of the terms for arithmetic and geometric progressions, with applications.

b. Plane Geometry.—One unit.

The usual theorems and constructions of good text-books, including general properties of plane rectilinear figures; the circle and the measurements of angles; similar polygons; areas; regular polygons and the measurement of the circle.

The solution of numerous original exercises, including loci problems.

Application to the mensuration of the line and plane surfaces.

c. Solid Geometry.—One-half unit.

The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders and cones; the sphere and the spherical triangle.

The solution of numerous and original exercises, including loci problems.

Application to the mensuration of surface and solids.

LATIN.

Grammar and Composition.—One unit.

(1) The inflections; the simple rules for composition and derivation of words; syntax of cases and verbs; structure of sentences in general with particular regard to relative and conditional sentences, indirect discourse and the subjective mode. Translation into easy Latin of detached sentences and very easy continuous prose based upon Caesar and Cicero.

(2) **Caesar.**—One unit.

Any four books of the Gallic War. Latin Prose Composition (Bennett).

(3) **Cicero.**—One unit.

Any six orations from the following list of equivalents; the four orations against Castiline, Archias, the Manilian Law, Marcellus, Rocius, Milo, Sestius, Ligaruus, the fourteenth Phillipic. Latin Prose Composition (Bennett).

HISTORY.

Preparation in history will be given credit upon the basis of time devoted to the study of each branch, rather than on the amount of ground covered. The training in history should require comparison and the use of judging on the pupil's part, rather than the use of memory. The use of good text-books, collateral reading, practice in writing, accurate geographical knowledge are essential. The accepted groups are ancient history up to 800 A. D., medieval and modern English, American and civics.

Two units required.

MODERN LANGUAGES.

French.—Two units may be offered, or

German.—Two units may be offered.

SCIENCE.

a. **Physiography.**—One Unit.

The preparation in physiography should include the study of at least one of the modern text-books, together with an approved laboratory and field course of at least forty exercises actually performed by the student.

b. **Physics.**—One unit.

The preparation in physics should include individual laboratory work, comprising of at least forty exercises selected

from a list of sixty or more; instruction, class-room demonstrations and lectures, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations; the study of at least one standard text-book, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws of elementary physics.

c. **Biology.**—One unit.

This course includes the following. Animal Biology, Human Biology, and Plant Biology.

The preparation for Animal Biology will include a short course in general natural history; general classification of animals and their chief characteristics, a comparison of general life-processes in animals and plants.

The preparation for Human Biology should include the nature foods and their history in the body; the essential facts in digestion, absorption, circulation, secretion, excretion and respiration; the nervous system; the structures of the various organs and their operation; a note-book in which are kept carefully outlined drawings of the chief structures studied anatomically, together with the explanations of the drawings are essential.

The preparation in Plant Biology should include preliminary experiments; seed germination; forms, functions, and structures of leaves, flowers, their parts and forms, fertilization and pollination; fruits and seeds. Practical experiments and illustrations should be given in the laboratory and in the field, results tabulated in note-book with sketches when practical.

The following subjects will also be credited when properly taught with laboratory and field practice when practicable:

d. **Botany.**—One unit.

e. **Chemistry.**—One unit.

f. **Zoology.**—One unit.



PHI MU LITERARY SOCIETY

g. **Physiology.**—One unit.

h. **Domestic Science.**—One unit.

DRAWING.

One unit. A full year's work in drawing should include simple geometrical plane and solid figures, the simple pieces of machinery, with a fair knowledge of the rules of perspective, and light and shade as applied in freehand sketching. The student should complete at least twenty drawings which display proficiency in the following points:

a.—Ability to sketch freehand from dictation with reasonable accuracy and with fairly correct, steady, and clean lines, any simple geometrical figure or combination of figures, straight lines, squares and circles, polygons, spirals, and the like.

b.—Ability to sketch objects with reasonable correctness and proportion, structure and form, geometrical models, simple vases, simple details of machinery or common objects such as ordinary household furniture and utensils.

c.—Ability to sketch from copy, enlarging or reducing its dimensions any simple object, such as a globe valve, top, or any ordinary historical ornaments as an acanthus leaf, iron scroll work.

DEPARTMENT OF PHILOSOPHY AND EDUCATION.

George W. Camp, Professor.

These courses are designed—First, to meet the general needs of educated, efficient social beings in the daily affairs of life; Second, to meet the advanced requirements of Georgia and other states for teachers. As an analysis of the graduates of this institution show that a greater per cent teach than enter any other profession it is but appropriate that the College should offer courses that lead at once to that profession.

1.—**Psychology.**—It is the purpose of this course to give

the student a knowledge of the essential facts of the mind and its operations. An attempt will be made to enable the student to grasp the fundamental laws underlying its operations, and apply these in practice. Again, emphasis will be placed upon points of practical interest, particularly on points that have a direct application in educational theory and practice.

Freshman Class.—Three hours per week throughout the year.

2. **Logic.**—The course will first give a short historical analysis of the laws of thought. The laws of deductive and inductive thought will be taken up, analyzed, illustrated and applied. The subject will be approached both from the standpoint of Rhetoric, and from that of Psychology. (See English I.)

Freshman Class.—Three hours per week. Spring term.

3. **History and Principles of Education.**—An historical survey of educational development from the earliest times to the present will be made the basis of the work. Educational theories will be analyzed in the light of subsequent developments. From these an attempt will be made to develop theories that may have a practical application in modern education. As far as circumstances will permit these will be tested and applied. Special stress will be placed on the study of the educational significance of Rousseau, Pestalozzi, Froebel, Herbart, Spencer, and Horace Mann. Prerequisite Education I.

Sophomore Class.—Three hours per week throughout the year.

4 a. **Secondary Education.**—Designed especially to meet the needs of High School Principals and Teachers. Among the topics studied the following will be suggestive: The place and function of the American High School in our educational system; its place in the social development of our country; the evolution and character of the courses of

study; valuation of different studies; organization under the departmental plan; the material equipment; the making of daily programs; the teaching staff; the control of organizations within the school; Supervision.

Junior Class.—Three hours per week. Fall term.

4 b. **The Teaching of English.**—For description of the course see Department of English, Course No. 3b.

Juniors—One hour per week. Entire year.

4 c. **The Teaching of Mathematics.**—For description of course see Department of Mathematics, Course No. 5.

Sophomore Class.—One hour per week. Entire year.

4 d. **The Teaching of Latin.**—For description of course see Department of Latin. Course No. 2c.

Sophomore Class.—One hour per week. Entire year.

4 e. **The Teaching of History.**—For description of the course see Department of History, Course No. 4b.

Senior Class.—One hour per week. Entire Year.

5. **School Administration.**—The following topics are given as being suggestive of the nature of this course. The nature of the problem of School Administration; forms of educational control; social and economic factors in the growth of school systems; the school board; business administration; the Principal; the teachers; pupils; school management; courses of study; the text-book question; material factors as school sites; buildings, surroundings, furniture, heat, light; compulsory laws; child labor laws; school and society.

Junior Class.—Three hours per week. Spring term.

6. **Philosophy.**—This course will give an historical view of philosophic thought from and including the Greek period down to the present. The schools and individual philosophers that have the greater significance for the present will

receive the greater stress. This course will attempt to stimulate and direct thought.

Senior Class.—Three hours per week. Fall term.

7. **Ethics.**—This subject will be presented historically analyzing the leading types of ethical theory. From these the student will be lead to construct or discover his own ethical code. This course will be made to grow out of philosophy and will be a continuation of that topic.

Senior Class.—Three hours per week. Spring term.

Note.—Course 1, Psychology is a prerequisite for all other courses in this department. Course 3 is a prerequisite for 4a, 4b, 4c, 4d, 4e, and 5.

DEPARTMENT OF PHYSICS, CHEMISTRY AND GEOLOGY.

B. P. Gaillard, Professor.

The work in these branches of Science looks to the broadening of the student's view of life, the development in him of the scientific spirit and making him familiar with scientific methods of thinking and working.

1. **General Inorganic Chemistry** (required of E.M., B.S., B. Ag.)

Freshman Class.—Fall term, non-metals. Spring term, metals. Five periods class room, five periods laboratory.

2. (a) **Qualitative Analysis** (required of B. S., B. Ag., E. M.)

Sophomore Class.—Fall term. Nine periods laboratory, one period class.

2. (b) **Organic Chemistry** (required of B.S. and B.Ag)

Sophomore Class.—Spring term. Three periods class room, two periods laboratory.

3. **Physics** (required of B.Ag., B.S., E.M.).



COMMISSION OFFICERS

Junior Class.—Fall term. Matter and properties, dynamics of liquids and gases; sound.

Spring term. Heat, light, electricity. Three periods class room, two periods laboratory.

4. **Quantitative Analysis** (required of B.S., E.M., B.Ag.),

Junior Class.—Fall term. Gravimetric analysis.

Spring Term. Volumetric analysis and miscellaneous work. Nine periods laboratory, 1 period class room.

5. **Geology** (required of B.S.).

Senior Class.—Fall term. Three periods class room, two periods laboratory.

DEPARTMENT OF MATHEMATICS.

J. C. Barnes, Professor.

1. **Higher Algebra.**—A general Review of the fundamental principles of Algebra; Quadratic, Simultaneous and Radical Equations; Ratio, Proportion and Series, with practical application. The Binominal Theorem, Logarithm, and their application to Higher Mathematics.

Text: Hawkes-Luby-Teuton's "Complete College Algebra."

Fall Term. Five hours per week for the term.

2. **Solid Geometry.**—Weekly tests are given, with a view of insuring a thorough review of Plane Geometry. The practical application of both Solid and Plane Geometry are stressed.

Text: Wentworth & Smith, "Solid Geometry."

Freshman Class.—Spring term. Five hours per week.

3. **Plane and Spherical Trigonometry.**—The work in Trigonometry will include a thorough study of and drill in the principles of Plane and Spherical Trigonometry. Graphic solutions stressed.

Text:—Granville's "Plane and Spherical Trigonometry." Taylor's "Logarithmic and Trigonometric Tables."

Sophomore Class.—Fall term. Five hours per week.

4a. Analytical Geometry.—Co-ordinates, Straight Line, Circle, Parabola, Ellipse, Hyperbola and General Equations of the Second Degree. Graphic application stressed.

Text: To be selected.

Sophomore Class.—First half of spring term. Four hours per week.

5. The Teaching of Mathematics.—This course is designed for those who expect to become teachers of mathematics in the high schools of the state. A short history of mathematics. Arrangement of course of study. Distribution of work, and the interrelation of Arithmetic, Algebra, and Geometry in the high school curriculum. A study of methods in the presentation of these subjects. Illustrative work selected from representative high school texts.

Sophomore Class.—One hour per week, entire year.

6. Plane Surveying.—This course is intended to give the student a fair working knowledge of surveying instruments and their use. The entire course will be given from mimeographed notes, and will conform as far as possible to methods as used in good field work and offices.

Sophomore Class.—Last half of spring term. Five hours per week and Mondays.

7. Calculus.—Differential and Integral, with geometric and Analytical Applications.

Text: To be selected.

Junior Class.—Five hours per week for the term.

8. Astronomy.

Text: Young's "Manual of Astronomy."

Senior Class.—Five hours per week, with one evening each week for observations in the field.

9. Mechanics.—Composition of Forces; Center of gravity; Stability; Elementary Machines, Kinetics, Horse Power; Mechanics of Gases and Liquids, with an application of these principles to machines.

Text: To be selected.

Senior Class.—Five hours per week. Spring term.

DEPARTMENT OF ENGLISH LANGUAGE AND LITERATURE.

George W. Camp, Professor.

W. L. Ash, Associate Professor.

1. Composition and Rhetoric.—Detail study and practice in the essential forms of composition. Parallel study of illustrative classical literature. Frequent short themes. Longer theme work at regular intervals. Class debates, story telling, and written reports. Theoretical and practical exercises in versification. During the spring term one period each week will be given up to the review of English Grammar. The principles of Logic will be studied during the spring term. (See Logic under Education).

Freshman Class—Four hours per week.

2. English Literature.—An historical survey of the English Literature as a whole will be made. A more detailed study of the more important periods of English Literature, including on the one hand a philosophical analysis of the problems interwoven in the literature and on the other a critical analysis of illustrative literature itself. Frequent short themes based on literature.

Sophomore Class.—Four hours per week.

3a. The Drama.—This course will give a detailed study of the theory and principles underlying dramatic structure.

This will be followed by an extended study of illustrative dramatic literature, selected from each of the leading periods of dramatic composition. Pre— and post— Shakespearean dramas will be stressed. The modern social drama will receive attention. Dramatic composition work will be required.

Junior Class—Two hours per week.

3b. The Teaching of English.—This course is intended for those who expect to become teachers of English in the high schools of this or some other state. It will include the discussion of such topics as: aims of teaching English; organization of high school work in English; the preparation of the teacher; methods of teaching composition and literature; the place of the text-book; the correlation of composition work with literature; a rapid review of Grammar, Rhetoric and a detailed study of some of the masterpieces studied in the high school.

Junior Class.—One hour per week.

4. Criticism and Nineteenth Century Literature.—A careful study of the principles of literary criticism will be made. These principles will be applied in the study of real literature. Wordsworth, Coleridge, Byron, Shelley, Keats. and Browning, together with Macaulay, Carlyle, DeQuincey, Lamb, and Hazlitt will receive careful attention.

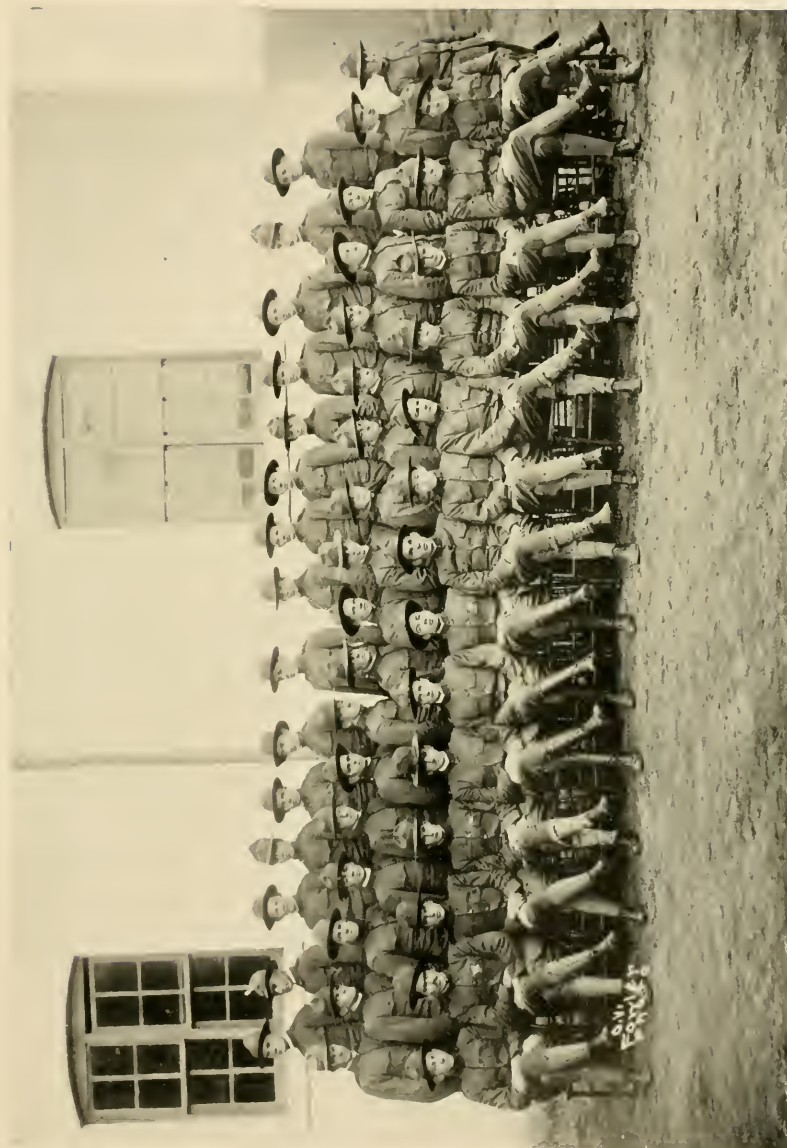
Senior Class.—Two hours per week.

DEPARTMENT OF LATIN.

Elias B. Vickery, Professor.

The following courses of study in the Latin language and literature are offered for students pursuing courses leading to literary degrees.

English derivatives, composition, sight translation, Elementary Latin Prosody, and the lyric metres of Norace are taught and emphasized.



COMPANY "A"

COURSE OF STUDY.

1. **Entrance requirements.** (See general entrance requirements).

Vergil's Aeneid. Latin Prose Composition. (Bennett).

Latin Grammar. (Allen & Greenough).

Freshman Class.—Five hours per week, entire year.

2a. **Livy** (Burton).

2b. **Horace** (Moore and Morris), Grammar continued; Private Life of the Romans (Johnston), Lewis' Elementary Latin Dictionary.

2c. **The Teaching of Latin.** This course aims to consider really what is worth while for each year of the high school course; To determine how and in what order the subject matter of Latin should be presented; to discuss plan and arrangement of conventional high school Latin texts, as Beginners' Book, Latin Prose Composition, Caesar, Cicero, and Vergil; to define the relation of Latin to other branches or subjects on the high school curriculum.

Sophomore Class, Nos. 2a and 2b, four hours per week, entire year; 2c one hour per week, entire year.

3a. **De Amicitia of Cicero.** (Price).

3b. **Juvenel.** (Wright).

History of Roman Literature. (Morris).

Juniors.—Three hours per week, entire year.

4a. **Germania of Tacitus.** (Allen).

4b. **Phormio of Terence.** (Laing).

Seniors.—Two hours per week, entire year.

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

Edward L. Floyd, Professor.

1a. **Georgia History.** From early Colonial times to present. Three hours a week for fall term. Required of Freshmen.

Text Book: To be selected.

1b. **American Government and Politics.** Careful study of American Institution.

Three hours a week for Spring Term. Required for Freshmen.

Text Book: To be selected.

2. **Political and Constitutional History of England.** The development of Cabinet and Parliament is given especial attention. Local government is studied carefully.

Three hours a week required of Sophomore.

Text Book: Cross's History of England and Greater Britain.

3. **Political History of the United States.** An advanced course, with main stress upon history of our national evolution.

Three hours a week. Required of Juniors.

Text Book: Bassett's Short History of United States.

4a. **General Economics.** An advanced course devoted to discussion of laws of consumption, production, exchange and distribution of wealth, with especial attention to wages, profits, interest, rates, rents, and values. Careful study of money, credit, transportation and trades unions.

Completion of courses 1 to 6, inclusive, is the prerequisite for this course.

Two hours a week. Required of Seniors.

Text Book: Ely's Outlines of Economics.

4b. **Teaching History.** This course aims to develop and present methods of teaching history such as will be of direct and practical value to teachers of high school history. Texts, order of development, lesson plans, parallel work, courses of study will receive attention.

One hour per week. Senior Class.

DEPARTMENT OF FRENCH.

George Anne Peet, Professor.

1. **Fraser and Squair's French Grammar.**—Pronunciation, composition, and dictation.

Freshman Class.—Three hours per week, entire year.

2. **Fraser and Squair's French Grammar**, completed.

"Une Semaine a' Paris."

"Mlle. de La Seigliere."—Sandeau.

"Le Pater", Francois Coppee.

Composition, dictation and pronunciation.

Sophomore Class.—Three hours per week. Entire year.

3. **Composition.**—A study of French idioms. Essay writing.

"Tales of France", Cameron.

"Selections from Zola", Cameron.

"Les Miserables", Victor Hugo.

Junior Class, three hours per week, entire year.

4. **Advanced Composition.** Selections for advanced reading from French classic literature.

Senior Class.—Three hours per week. Entire year.

DEPARTMENT OF ORATORY.

George Anne Peet, Professor.

(Required of students taking the A.B. and B.S. Courses.)

Full credit is given for all of the following courses:

(1) **Principles of Elocution.**—Study and development of the vocal organs and muscles; voice culture; the philosophy of expression; man's triune nature; careful study of quality, force emphasis, articulation and the principles of action. Recitations and platform work.

First Semester. Three hours.

Text: Fulton and Trueblood's "Practical Elocution."

(2) **Continuation of Course 1.**—Study of pitch and time; careful analysis of readings, recitations and personations; technical training in rendition.

Second Semester. Three hours.

(3) **Oratory and Debate.**—For students who have completed courses 1 and 2. Study of ancient and modern orators; construction of speeches; qualities of discourse; eloquence; preparation and delivery of one biographical oration, one extempore topical speech, one declamation, and one critique. Special drill in extempore speaking.

Principles of debate, laws of argumentation and debate, drill in debate and team work, training in statement and rebuttal.

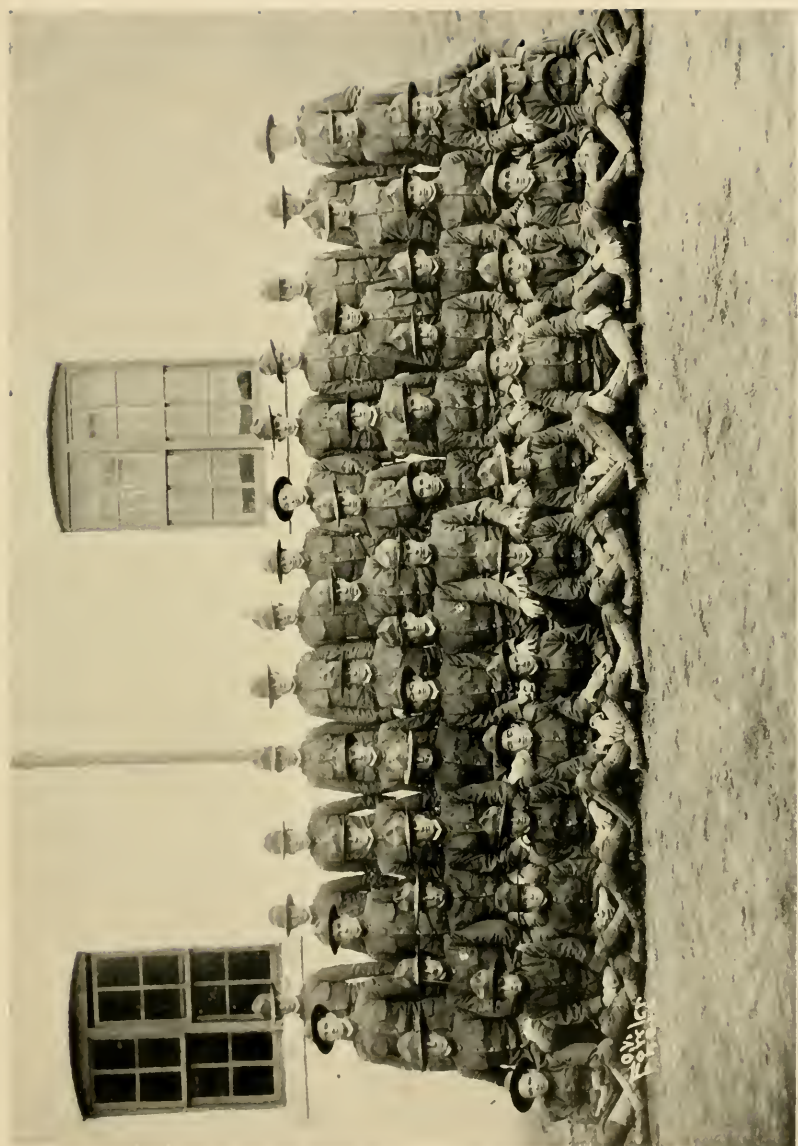
First Semester. Three hours.

Text: William Trufant Foster's "Argumentation and Debate."

(4) **Continuation of Course 3.**—Completion of the study of debate with special emphasis on extempore debating. Analysis and study of the characters, plot and incidents of one of Shakespeare's plays, together with a careful expressional reading of the play, and memoiter rendition of the principal scenes. Plays offered: "Merchant of Venice," "Twelfth Night," "Julius Caesar," "Hamlet," "Romeo and Juliet," "Macbeth," and "Othello."

Second Semester. Three hours.

(5) **Practical Public Speaking.**—A course designed to present the essentials of effectiveness in all departments of speaking—business, social and public. It includes a careful consideration of the general ends, the principle of reference to experience, cumulation, the forms of support, and other important phases of the subject. For students who have completed Courses 1 and 2.



COMPANY "B"

First Semester. Two hours.

Text: Phillips "Effective Speaking."

(6) **Continuation of Course 5.**—The preparation of material for public discourse. Drill in extempore speaking, and in the delivery of various kinds of speeches and addresses. Special attention will be given to the psychology of public speaking, mental imagery, emotions and their expressional control, the fluctuation of attention, suggestion, psychology of the crowd and the audience, and the cultivation of memory.

Second Semester. Two hours.

Text: Scott's "Psychology of Speaking."

DOMESTIC SCIENCE.

Mrs. H. S. Newman.

The aim of this work is to give the young woman of this school definite training for their work in life—that of home-making. Three units of cooking, three of sewing, and three of household science are required.

DOMESTIC ART.

Model Sewing.—A series of models will be made illustrating all the plain stitches.

Two periods a week throughout first Semester.

Plain Sewing.—A series of simple garments are made—a cooking apron and cap, and three pieces of underwear.

Two periods a week throughout second Semester.

Second Year Sewing.—A study of patterns and methods of altering. During year students will make a princess slip, tailored shirt waist and skirt and one dress of wash material.

One double period a week each Semester.

Third Year Sewing.—A study of quality, width and cost of materials. Art on dress and cost in relation to income. Articles to be made: One woolen dress, one embroidered shirt waist, one linen dress, one lingerie dress.

One double period a week throughout each Semester.

SCIENCE.

Physiology and Hygiene.—A study of the human body, its structure, composition and needs, and how we may supply the needs.

Three periods a week throughout first Semester.

Household Management.—A study of situation and structure of house—drainage, plumbing, water supply, disposal of waste, lighting, heating and systematic methods of house-keeping.

Three periods of week through second Semester.

Text: "Household Hygiene," by Maria Elliott.

Food Study.—A complete study of typical foods, e. g., eggs, cereals, milk cheese, meat legumes, sugars, starches, green vegetables and fruit.

Three periods a week during first Semester.

Text: Nutrition and Diet—Conley.

Textile.—History of clothing and its production. A study of the four important fibers—cotton, flax, wood and silk—and a comparison of wearing qualities and cost.

Three periods a week during first Semester.

Text: "Household Textiles"—Gibbs.

Dietetics.—A study of the fundamental principles of human nutrition and application to the dietaries of individuals and families under varying cost.

Cooking, first year, study of classes of foods and chemi-

cal list of each. Study of underlying principles of cookery applying knowledge gained through cookery of simple dishes, breads, meats, cereals, salads, pastries, vegetables and simple desserts.

One Double Period a week throughout year.

Cooking, Second Year.—Canning and preserving of fruits and vegetables. Relation of bacteria to mold and decay. Use of heat, sugar, spices, vinegar, salt drying, smoking in preserve time of meats, vegetables. Series of bread lessons.

Review principles of cooking and plan meals, writing definite cost.

Serving Meals.—Duties of host and hostess.

One double period throughout year.

Third Year.—Review all principles of cookery. More advanced work in preparing meats, fish, breads, cakes, vegetables, desserts and salads. Planning meals, writing definite cost. Two meals served. Study of invalid cookery.

One double period throughout year.

SCHEDULE OF STUDIES LEADING TO A.B., B.S. AND B.Ph. DEGREES.

Note.—Numbers in parenthesis refer to description of courses; those on the right hand margin indicate the number of hours required per week. Girls may substitute Domestic Science for regular Science in all courses.

A.B. DEGREE.

FRESHMAN CLASS

English (1)	4
Mathematics (1)	5
Latin (1)	5
French (1) or German, or Spanish	5
History (1)	3
Expression	3

Optional Studies.

(9 hours required.)

Mathematics (5) and (6) . . .	5
Science (3)	5
*Philosophy (4) and (5) . . .	2
History (3)	2
French (3) or German or Spanish	3
Science (4)	10
Expression	3

SOPHOMORE CLASS

English (2)	4
History (2)	3
Latin (2)	5
Mathematics (3) and (4) . . .	5
French (2) or German or Spanish	5
Expression	3

SENIOR CLASS

(15 hours per week required.)

Required Studies.

English (4)	2
Latin (4)	2

Optional Studies.

(11 hours required.)

Mathematics (7) and (8) . . .	5
Science (5)	5
*Philosophy (6) and (7) . . .	3
French (4) or German or Spanish	2
History (4)	3
Expression	3

JUNIOR CLASS

(15 hours per week required.)

Required Studies.

English (3)	3
Latin (3)	3

B.S. DEGREE.

FRESHMAN CLASS

English (1)	4
History (1)	3
Latin (1) or French (1) or German, or Spanish	5
Mathematics (1) and (2)	5
Science (1)	7½
Expression	3

JUNIOR CLASS

(15 hours per week required.)

Required Studies.

English (3)	3
xMathematics (5) and (6) . . .	5
Science (4)	5½
Science (3)	4

Optional Studies.

History (3)	2
*Philosophy (4) and (5) . . .	3
Latin (3)	3
French (3) or German, or Span- ish	3
Expression	3

SOPHOMORE CLASS.

English (2)	4
History (2)	3
Latin (3) or French (2) or German, or Spanish	5
Mathematics (3) and (4)	5
Science (2a)	5½
Expression	3
Science (2b)	4

SENIOR CLASS.

Required Studies.

(15 hours per week required.)

English (4)	2
Science (5)	5
xMathematics (7) and (8) . . .	5

Optional Studies.

History (4)	3
*Philosophy (6) and (7) . . .	3
Latin (4) or French (4) or German, or Spanish	2
Expression	3

B.Ph. DEGREE.

FRESHMAN CLASS.

English (1)	4
Mathematics (1) and (2)	5
Latin (1)	5
History (1)	5
Psychology (1)	3
Expression	3

SOPHOMORE CLASS

English (2)	4
History (2)	3
Latin (2)	5
Mathematics (3) and (4)	5
Education (3)	3
Expression	3

*Prerequisite, Psychology.

xOptional for girls after Sopho-
more year.

JUNIOR CLASS.

Required Studies.

(15 hours.)

English (3)	2
History (3)	2
Education (4) and (5)	3
Optional Studies.	
Mathematics (5) and (6)	5
Science (3)	4
Latin (3) or French, or German	3
Science (4)	5½
Expression	3

SENIOR CLASS.

(15 hours per week required.)

Required Studies.

English (4)	2
Philosophy (6) and (7)	3
History (4)	3

Optional Studies.

(7 hours required.)

Science (5)	4
Mathematics (7) and (8) . . .	5
Latin (4) or French, or German.	2
Expression	3

DEPARTMENT OF BUSINESS ADMINISTRATION.

C. B. Wray, Director.

This department was established in order to afford the young men and women of the State and surrounding section a broad and liberal college course, together with technical and professional training for the profession of business in its leading branches. It is the aim to give thorough and scientific instruction in the fundamental principles of business organization and administration, and to present such courses that the student may receive special preparation which is suitable to the requirement of the business career he purposes to enter. A broad foundation is thus laid for intelligently directed activity in commerce and in the specialized branches of modern business which now particularly call for professional training, such as reporting, accounting, auditing and banking.

BOOKKEEPING AND ACCOUNTING.

This section is divided into two parts—the “Bookkeeping” Course and the “Accounting” or “Degree” Course. The “Bookkeeping” Course consists of three sections, each of which is complete within itself so far as it goes.

The first section or part is intended to give the student a knowledge of the fundamental principles of bookkeeping and the practical application of these in the various books of original entry, the meaning of debits and credits and how they effect accounts, the proper classification of accounts, the best method of recording transactions in the sales book, cash book and purchases book, and, the correct forms of the Financial, Trading and Profit and Loss Statements.

Part Two introduces the principles of partnership bookkeeping, the advantages of special ruling in the cash book, the carbon copy sales book, a popular form of the pur-

chases book and other short-cut methods helpful to the bookkeeper. The student is taught the advantages of special accounts with expense, property purchased for use in the business and the correct classification of these. The method of closing the ledger by journal entries is thoroughly explained and illustrated, and the student is given sufficient practice to enable him to appreciate the advantage of this method.

Part Three introduces the principles of corporation bookkeeping, the special accounts required in a corporation set of books, special ruling in all books of original entry, special or controlling accounts, the modern form of the cash journal and the advantage of loose leaf books.

The student should finish this by the end of the Sophomore year, which will give him a broader knowledge of bookkeeping and accounting than is usually secured in the average business college. Upon the completion of Parts One, Two and Three the student will be granted a "Certificate of Proficiency" as explained under "Stenography."

ACCOUNTING.

This work is somewhat different from that over which the student has already gone. It aims especially to equip him with executive ability in the organization and systematizing of business concerns. A special study of cost accounting, which is more generally known as costing, as practically applied in modern business, is taken up, and here the wide difference between honest accounting and scientific accounting is impressed upon him. In this connection a close study of Voucher Accounting, Liquidation and Deficiencies, Depreciation, Sinking Funds, Surpluses and the Installation of Special Accounting Systems is made. Practical problems from C. P. A. examinations and from practical experience are assigned the student, also questions on theory of accounts.

COMMERCIAL LAW.

Every modern bookkeeper labors daily under those laws which come under this head, and no accountant can truly style himself so unless he has some knowledge of this subject. This course aims to furnish an exposition of the fundamental principles of the law of contracts, including parties subject matter, the essentials of mutual assent, formal requisites, consideration, discharge and consequences due to breach of contract. The history of negotiable paper and the legal principles governing the rights and duties of the various parties to it will be studied, also the nature and formation of private corporations, their management, including the transfer of stock, the rights and liabilities of promoters, stockholders and directors; the proper method of holding corporate meetings and keeping the records thereof, and the taxes required of an ordinary business corporation.

BANKING.

The aim of this course is to give each student some knowledge of the banking customs of today. A text-book on practical banking will be used, from which assignments will be made. The theory of banking will be studied in this connection, and, with the practical work required of the student throughout the course, he will be well equipped to take up this line of work.

STENOGRAPHY.

This field offers unlimited opportunities for the student who will really prepare himself for efficient service. The business world is always ready to pay well for efficiency in business. The boy and girl in the business college today is in too much of a hurry to "get a job" and thus the business college is robbed of its opportunity to supply this demand. The aim of this department is not to see how short the course may be made, but how efficient the service it



BAND

may render. Nowhere can the saying, "If a thing is worth doing at all it is worth doing well" be more truthfully applied than here.

Everyone who has heard the name of George B. Cortel-you, William Leob, Jr., Frank S. Black, ex-Governor of New York, or George W. Perkins, multimillionaire partner of J. P. Morgan, and have noted how each used stenography as a stepping stone to fame and to fortune, has been inspired by their example. They have been made to see the value of a broad general training linked with this special training. These are examples of men who knew how to do at least one thing well. They were ready when the opportunity came.

The general manager of every big business is looking for competent men. Competency implies not only shorthand knowledge sufficient to take down a business letter, and type-writing knowledge to transcribe that letter on paper after a fashion; it implies BUSINESS TACT; A KNOWLEDGE OF BUSINESS PROCEDURE; ATTENTION TO THE NICETIES OF FORM IN BUSINESS LETTER WRITING and a thousand and one things which can be learned nowhere except in a qualified business course united with a thorough academic education.

Today in the commercial world the man that THINKS is the man who is most rapidly advanced, and the ability to THINK comes only as the result of a THOROUGH EDUCATION. Brains, the trained mind, is the product that is hardest to buy in business,—and commands the highest price.

The question for the student to decide is—will he depend upon experience or training? And while experience is a valuable asset, it must be remembered that it comes only by long, personal application. The only short cut to big things in business is thorough training for efficient service.

COURSES.

The courses offered in this Department is—the “Certificate of Proficiency” and the “Degree” Course. The latter is required of students taking the full four-year course, while the latter is offered to pupils unable to remain in college until graduation.

“Certificate of Proficiency” Course.

The “Amanuensis Certificate” course culminates in the sophomore year, and students successfully completing the non-technical, as well as the technical work, prescribed, receive a “Certificate of Proficiency,” as above indicated. The technical work included prepares the student to undertake any ordinary office work, in either shorthand or bookkeeping, and accept well-paid positions of responsibility leading to general office management. The “Certificate” course is especially attractive to students preparing to teach Shorthand and Bookkeeping; as, while it does not equip with a skill sufficient to undertake expert auditing and verbatim shorthand reporting, it completes the study of both bookkeeping and shorthand from an academic and pedagogical standpoint.

The “Degree Course” in Shorthand.

The chief difference in the “Amanuensis” and the “Degree” courses in Shorthand lies in the fact that the latter leads to special preparation for secretarial and verbatim reporting work. A minimum rate of speed of 150 words per minute is required in shorthand, the matter to include court work, speeches, sermons, etc., and transcriptions to be made at not less than an average of twenty-five words per minute.

BUSINESS ENGLISH AND COMMERCIAL CORRESPONDENCE.

The aim is to teach how to use words in such a way as to make people act. The principles of literary composition will be applied to commercial correspondence. Business

situations will be analyzed, letters classified into type forms, and the requisites of each class will be exemplified by many models. The psychology of advertising and the sales letter will be analyzed, and principles derived from this analysis will be applied in actual practice. The course will be not merely theoretical but practical. Every student will be required to write several letters each week and no one who has not sufficient time for such written work should attempt to take this course.

Special consideration will be given to letters of application, letters of complaint, sales letters, follow-up letters and collection letters.

TYPEWRITING.

The "Touch" method is insisted upon throughout the entire course. One hundred per cent. work is demanded from the beginning. Only perfect copies are accepted and the grading is given on the number of perfect sheets.

Text Book—Chas. E. Smith's Practical Course in Touch Typewriting.

EQUIPMENT.

The Department is equipped with modern appliances. All typewriters used are new and are of the visible standard type of machines. A dictaphone is provided for speed practice, both in shorthand and on the typewriter. The mimeograph and letter-press is furnished for duplicating work. The filing equipment consists of the latest improved filing cabinets and the student is required to familiarize himself with the different methods best suited to special lines of business. The entire course has been planned and equipment purchased with the idea to produce one thing—efficiency.

**DEPARTMENT OF BUSINESS ADMINISTRATION
LEADING TO B. B. S. DEGREE.**

Collegiate Department.

FRESHMAN.

Mathematics -----	5
English -----	5
History -----	5
Bookkeeping (Lab. 6 hr.) -----	3
Shorthand -----	3
Correspondence -----	2
Typewriting -----	2½
	25½

SOPHOMORE.

Mathematics -----	5
English -----	5
History -----	2
Bookkeeping (Lab. 6 hr.) -----	3
Shorthand and Typewriting -----	7½
	22½

JUNIOR.

English (6) -----	3
History -----	2
Commercial Law -----	2
Banking -----	2
Accounting (Lab. 6 hr.) -----	3
Shorthand and Typewriting -----	7½
	19½

SENIOR.

Economics -----	3
English -----	2
Theory of Accounts -----	2
Accounting (Lab. 6 hr.) -----	3
Reporting Practice -----	5
Typewriting and Office Routine -----	5
	20



STAFF OFFICERS



RIFLE TEAM

DEPARTMENT OF AGRICULTURE.

Wilbe R. Wilson, Instructor

AIM AND OBJECT OF THE SCHOOL.

“At the head of all the sciences and arts, at the head of civilization and progress, stands—not militarism, the science that kills, not commerce, the art that accumulates, but AGRICULTURE, the mother of all industry, and the main-tainer of human life.”—Garfield. Another great man fittingly said: “Tear down the cities and they rise again as if by magic, but tear down the farms and grass will grow in the streets of every city in Christendom.”

To make young men appreciate more and more the truth of the above statements; to make young men grasp the significance of the great agricultural movement, or awakening of the American people, as well as to train young men to make two blades of grass grow where only one grew formerly and to contribute our share towards supplying trained men that will take their part in this great movement, is the aim that this department is striving to accomplish.

FIELD OF THE SCHOOL.

The Agricultural Department stands for that kind of Education “that fits for life”—the kind that trains head, heart and hand. The head to study and solve the problems that confront the producer as well as the consumer. The heart to appreciate the glorious opportunity of living in contact with nature and attuning our thoughts to the harmonies that she speaks. The hand to do the things that will not only uplift ourselves, but the thousands that toil along with us. The industrial awakening that has swept the country, offers unlimited opportunity for workers along agricultural lines. Then there is that noble pursuit of farming that give op-

portunity to approach independence in the truest sense of the word.

POSSIBILITIES IN AGRICULTURE.

There are opportunities of becoming trained investigators in the department of Agriculture, at the various experiment stations, in the colleges of agriculture, in the employ of great development concerns and horticultural undertakings. For those that are not fitted to investigational work there are opportunities for teaching in colleges, secondary agricultural schools, high schools and also instructing farmers themselves. The average salaries received by agriculturists the country over, is more than the salaries received by men trained along many other lines. The development of the various phases of agriculture will tend to uplift the present status of our rural section from every standpoint, and the training of our boys that expect to stay on the farm will and does make the man master of the farm rather than allowing the farm to master the farmer.

EQUIPMENT.

The class rooms and laboratories of the agricultural department are located in the west wing of the new industrial building. The soil physics laboratory is well equipped for the scientific study of soils and new, improved apparatus is being added from time to time. Adjoining the soil physics laboratory is the dairy laboratory equipped with 4 different makes of the latest improved cream separators; and complete apparatus for making the Babcock tests. The dairy herd maintained by the Dormitory is available for the study of the dairy type of animals.

The Agricultural Department also has a library and reading room where the student may avail himself of the bulletins of the United States Department of Agriculture, Year Books, the leading agricultural publications, and State College and experiment bulletins from the different states.

THE COLLEGE FARM.

Adjoining the campus is a forty acre farm run in connection with the Agricultural Department, where practical farming and experimental work are carried on. The agricultural students are in constant, daily touch with the farm work; some of them actually working on the farm and thereby partially defraying their expenses.

DEGREES AND CERTIFICATES.

Two courses are offered by the Agricultural Department.

(a) A four year course, leading to the degree Bachelor of Science in Agriculture.

(b) A two year course is given, in which agricultural subjects are substituted for English and Mathematics in the second year. This course entitles the student to a Certificate in Agriculture.

Instructions are also given to short-course students and to those taking the Normal Course in the Spring.

OUTLINE OF INSTRUCTIONS.

AGRONOMY.

Agronomy 1. This course takes up a study of fertilization of crops and fertilizers in detail. The different fertilizer carriers are studied and the best methods are discussed for the different crops. Practical work in calculating formulas and mixing is given.

This course is required in the Freshman year.

Text: "Voorhees' Fertilizers."

Agronomy 2. This course comprises a study of all the common cereal crops, such as corn, the sorghums and the small grains as wheat, rye, oats and barley. Field work with as many of these crops as possible will be given. This also includes a special study of the diseases, and treatment for same of these various crops.

This course is required in the Sophomore year.

Text: "Hunt's Cereals in America."

Agronomy 3. This course is a scientific study of the soil formations and the mechanical compositions of soils. It also includes an exhaustive study of the physical problems of the soil, especially such phases as texture, tillage, movements of soils, conservation of soil water, aeration and drainage, and the effect of organic matter on the various soils.

This course is required in the Junior Year.

Text: "Soils" by Lyon and Flippen.

Agronomy 4. This is a practical course in laboratory work, where the student makes practical experiments with soils as to the water holding capacity, mechanical construction, etc., of the various types of soils. The student may use his home soil in this work.

This course requires two (2) hour periods throughout the Junior year.

Text: "Stevenson and Schwaub's Soil Physics Guide."

Agronomy 5. This course consists of a series of lectures on Farm Management. The selection of sites with regard to transportation facilities, and drainage; the economic handling of labor and machinery; the planning of rotations and farm accounts are given special attention.

This course is required in the Junior year.

Text: "Farm Management" by Card.

Agronomy 6. This is an advanced course in the study of soils. The records of experiments conducted in England, France and America for the last seventy-five years are studied. They treat exhaustively of chemical analysis of soils, the application of the various plant food elements to these analyzed soils and the crops produced on them.

This course is required in the Senior year.

Text: "Hopkins' Soil Fertility and Permanent Agriculture."

ANIMAL HUSBANDRY.

Every live stock country is a rich country and we might add the anthesis to the above "No country can become rich without the aid of live stock." The "Red old hill of Georgia" cry out for humus and vegetable matter and "blush" because it is not supplied. This will never be supplied until our live stock industry grows in proportion to our other industries, and thousands of cattle graze on our hills and valleys. The advance in the price of land calls for a more economical animal to consume the feed stuffs; hence a better class of live stock. Students study the breeding and improvement of live stock; also the most economical rations for the different classes of live stock. Laboratory work consists of handling and judging live stock.

OUTLINE OF INSTRUCTION.

Animal Husbandry 1. This course comprises a study of the types and breeds of farm animals, and the qualities of each type with regard to southern conditions.

This course is required in the Freshman year.

Text: "Beginnings in Animal Husbandry" by C. S. Plumb.

Animal Husbandry 2. This course comprise a study of the principles of breeding. This includes a study of the physical basis of heredity. Variation, atavism and selection are taken up in detail, and are studied with relation to production. The theories of Darwin, Devries, Mendal and Weisman are studied. A study of the results of breeding by working out pedigrees is given. The methods of successful breeders are given careful study. From all these angles the student is able to get a very broad conception as to the fundamentals of animal improvement.

This course is required in the Junior year.

Text: "Breeding Farm Animals" by F. R. Marshall.

Animal Husbandry 3. This is a study of feeds and

feeding. This course is designed to give the student a clear idea of feeding values, of the various needs and proper rations of digestable nutrients. Theoretical and practical work is given in calculating rations for dairy and beef animals.

This course is required in the Junior year.

Text: "Feeds and Feeding" by H. R. Smith.

Animal Husbandry 4. This course comprises advanced work in the history of the different classes of animals and of each breed. Animal nutrition and the results of the respiration calorimeter are studied in detail. The digestive processes are studied very closely in this connection.

This course may be elected in the Junior or Senior years.

Text: "Feeds and Feeding" by Henry, supplimented by "Types and Breeds of Farm Animals."

Animal Husbandry 5. This course is offered to students to emphasize a specialized line of Animal Husbandry that furnishes much of our common food. In no line of this work is there such a great opportunity as in Dairying, but it has become so specialized that it requires trained men to attain the greatest success, in breeding, feeding and managing dairy herds. Instruction is given in milk secretion, nature and composition, comparative profits of the various milk products, etc. The dairy breeds are discussed with special reference to the South.

This course is required in the Sophomore year.

Text: "Dairy Farming" by Michaels.

Animal Husbandry 6. This laboratory work consisting of making Babcock tests of milk, cream, skim milk and calculating the percentages of loss, etc. Work in separating, ripening and churning cream is given.

This work is required in the Sophomore year in connection with Animal Husbandry 5.

HORTICULTURE.

This course is designed to give the student a thorough knowledge of orchards and orchard management. The great opportunities in almost every section of the state in this line speaks for its popularity. We need more trained Horticulturalists to take care of the immense apple orchards that are being planted in the mountains of North Georgia. Then the study of this subject enables the young man to beautify the home and grounds, and to make farm life more attractive.

OUTLINE OF INSTRUCTION.

Horticulture 1. This course presents the principles that underlie farm practices and is given with special reference to the selection and the location of sites, and methods of planting that are in practice in the best and most up-to-date fruit sections.

Required in the Freshman year.

Text: "Bailey's Principle of Fruit Growing."

Horticulture 2. This subject is taken up and discussed in class room, with reference to the fundamental principles or reasons why we prune; of the effect on young and old trees and careful attention is given to general rules of pruning. Laboratory work in using pruning shears, saws and tree pruners. In connection with the above, sprays and spraying material are studied, with special reference to the different insects and fungus diseases.

Required in Freshman year.

Text: "The pruning Book" by Bailey.

Horticulture 3. Vegetable Gardening is a subject important from the standpoint of those who grow vegetables for home use as well as those who grow them for market. The students study in connection with the lectures the actual practices in the student garden. The fertilization,

labor and market problems are each studied with reference to general trucking.

Required in Sophomore year.

Text: "Vegetable Gardening" by S. B. Green.

Horticulture 4. Landscape Gardening consists of a study of the beautifying of homes, parks, cities, etc., from a standpoint of the arrangement of trees, shrubbery, and flowers. Practical work along this line is given on the college campus.

Required of Seniors.

BACTERIOLOGY.

Instruction in this subject is given with special reference to the various microscopic organisms found in air, water, soil, milk and the body, and their relation such processes as decomposition, fermentation, digestion and production of diseases.

Required in the Senior year.

ENTOMOLOGY.

Instruction in this subject is given with special reference to the life histories of insects, and the time and best methods for destroying those harmful to Agriculture.

VETERINARY SCIENCE.

This course comprises a study of the diagnosis and treatment of the diseases of farm animals.

FARM MECHANICS.

Every operation on the farm that is not performed by nature is mechanical. Whereas, at one time all the farm work was performed by man alone, now a large part of it



EVERY DAY DRILL SCENES

is performed with the aid of machinery, enabling man to do more work with less personal energy expended and in a good deal less time. It is the aim of this course to train the student in such a way that he may be able to handle a farm in the easiest and most economical way.

Farm Mechanics 1. This course comprises a study of free hand and mechanical drawing. The student is taught to draw free-hand any objects necessary to his work, and to handle drawing instruments that he may be able to execute any plans or drawings necessary.

Required in the Freshman year.

Farm Mechanics 2. This is an advanced course in mechanical drawing. The student is taught to design and make out specifications for farm buildings. He is also instructed in the construction of the buildings.

Farm Mechanics 3. This is laboratory work; instructions being given in the handling and care of wood-working tools. The student is taught the essentials of carpentry and cabinet making.

Farm Mechanics 4. This is laboratory work; instructions being given in the handling and care of forge tools. The student has practical instruction and practice in the working of iron and steel.

Farm Mechanics 5. This is a laboratory course in the uses and results obtained from the use of various farm machines.

Farm Mechanics 6. Agricultural engineering is taught in this course, instructions being given in practical field work. Special attention is given to agricultural surveying, drainage, irrigation, roads and road building, farm machinery, farm motors, farm structures and farm sanitation.

Required in the Sophomore year.

Text: "Agricultural Engineering," by Davidson.

FRESHMAN CLASS.

	Hours per week.
Agronomy (1 and 2) -----	5 hrs
Animal Husbandry (1) -----	3 hrs.
Horticulture (1 and 2) -----	3 hrs.
English (1) -----	5 hrs.
Mathematics (1 and 2) -----	5 hrs.
Chemistry (1) -----	5 hrs.
Farm Mechanics (1) -----	2 hrs.
Farm Mechanics (3) -----	2 hrs.
Total -----	30 hrs.

SOPHOMORE CLASS.

Animal Husbandry (5 and 6) -----	3 hrs.
Horticulture (3) -----	3 hrs.
Farm Mechanics (2) -----	2 hrs.
Farm Mechanics (5) -----	2 hrs.
Farm Mechanics (6) -----	5 hrs.
English (2) -----	5 hrs.
Mathematics (3 and 4) -----	5 hrs.
Science (2 and 3) -----	5 hrs.
Total -----	30 hrs.

JUNIOR CLASS.

Agronomy (3) -----	3 hrs.
Agronomy (4) -----	2 hrs.
Agronomy (6) -----	2 hrs.
Animal Husbandry (2) -----	3 hrs.
Animal Husbandry (3) -----	3 hrs.
Organic Chemistry -----	5 hrs.
History (4) -----	2 hrs.
Physics -----	5 hrs.
Optional -----	5 hrs.
Total -----	30 hrs.

SENIOR CLASS.

Agronomy (7) -----	5 hrs.
Veterinary Medicine (1) -----	3 hrs.
Horticulture (4) -----	2 hrs.
Bacteriology -----	3 hrs.
Entomology -----	2 hrs.
Agricultural Chemistry -----	5 hrs.
Optional -----	10 hrs.

Total ----- 30 hrs.

Note.—Two hour laboratory periods count as one hour.

BOTANY.

This is a course in elementary botany.

Third Preparatory Class. Second term.

ZOOLOGY.

This is a course in elementary zoology.

Third Preparatory Class. Fall term.

DEPARTMENT OF MINING ENGINEERING.

Byron J. Snyder, Director.

Cliff Brannen, Assistant.

ARTICLE 1—ANNOUNCEMENT.

1. The School of Mines of the North Georgia Agricultural College has been established primarily for the purpose of giving a thorough scientific education, both practical and theoretical, to men studying for the profession of the mining and metallurgical engineer, the assayer, the consulting geologist. The desire is to train men to take more active part in the winning of the mineral wealth of the State and nation.

The School of Mines is now housed in adequate quarters

in the new Industrial Building, which has been described elsewhere in this catalogue. These new quarters, together with much added equipment, makes it possible to give a very thorough course in Mining, Mineralogy, Assaying Mineralogy, etc.

2. **Situation.**—Dahlonaga is most fortunate as the seat of a mining school. It is situated in the heart of the great gold belt. Within a few hundred yards of the school is situated the fifty stamp mill of the Crown Mountain Gold Mining Co., whose works are always accessible to students of the School of Mines. To the east, within walking distance, is the plant of the Consolidated Gold Mining Co., a fine example of an up-to-date one hundred and twenty stamp mill. It has in connection an Edwards roasting furnace of a capacity large enough to handle the concentrates from more than 36 vanners. By courtesy of the management, the students have access to all these plants.

3. **Environment.**—The nearer a School of Mines is to a neighborhood of mining, the nearer such school is to the atmosphere of mining operations, the more potent we find its influence. Nature herself could not have selected a spot more suitable for a mining school than Dahlonaga. Dr. Glenn and the Trustees of the North Georgia Agricultural College have been keenly alert to the existing environment which harmonizes with the work of the mining student, both present and future. The mineral possibilities of the country in and around Dahlonaga and especially to the north are very great. Rare opportunities are here offered to the student of mineralogy and geology. Rocks of various geologic age are here extremely well represented and economic deposits of many rare and valuable minerals exist in varied form.

4. **Instruction.**—The method of instruction includes lecture, text-book, laboratory and recitation work.

The metallurgical laboratory equipment consists of muffle

and wind furnaces, jaw and gyratory crushers, samplers, classifiers, gold and silver balances, etc. The course in Assaying and all Metallurgy is especially strong.

5. **Minerals.**—A collection of hundreds of specimens gathered from home and abroad makes the department of mineralogy extremely interesting.

6. **Drawing.**—Mechanical Drawing as applied to all the phases of engineering receives our close attention.

ARTICLE II—REQUIREMENTS FOR ADMISSION.

1. The classes in the School of Mining are open to all.

2. **Registration.**—All students are required to show their entrance tickets and paid-up laboratory fees before they will be registered for work in this course.

3. **Admission by Examination.**—Students who desire to become candidates for a degree are admitted on examination in the subjects required by college.

4. **Admission to Advanced Standing.**—Graduates of approved colleges are admitted upon presentation of their diplomas or certificates of graduation.

5. **Special Arrangements.**—In many cases persons who have been engaged in practical work and desire to better their condition by systematic training and who are not candidates for a degree may be permitted to take special studies. Such men often prove to be among the best students, since they realize clearly the purpose of their work and the value of time.

6. **Course.**—All students must take the subjects required in their courses in conformity with the calendars of their years of attendance. If a student wishes to change his course he must first obtain permission of the faculty.

7. **Degrees.**—The School of Mines offers the degree of Engineering of Mines, E. M.

The conditions under which this is given are as follows:

To obtain this degree the student must have been a resident student of this institution for at least one full year prior to graduation.

All students for the above degree of Engineer of Mines are required to have had at least two years' training in both Geology and principles of Mining.

The course is strictly a four years' course.

8. **Thesis.**—All seniors in the E. M. course carry on special investigations during the spring term, and the results are embodied in a thesis. This work must be of a mining or metallurgical character, and is under the direct supervision of the professor in charge. The submitted thesis must be of typewritten form on nine by eleven inch paper, bound in pamphlet or book form. No Mining student can receive his degree without having handed in an acceptable thesis.

9. **Excursions.**—Part of the course consists of visiting mines, dredges and metallurgical industries in the vicinity of Dahlonega, where practical information may be had. Short trips of one day's duration are quite frequent, while at some time during the year a more extensive trip is taken by the upper classmen of this course; usually to a noted mining section of the South. While on these trips the geology of the section is thoroughly investigated. All students of the E. M. course are required to take these excursions. Expenditures of this kind afford the student abundant opportunities for collecting data, materials suitable for memoirs, thesis, etc.

ENGLISH.

There is a growing appreciation of the value, in practical affairs, of the ability to use language with ease, clearness, and forcefulness. The importance of English composition



DECORA PALAESTRA LITERARY SOCIETY

as a mental gymnast is being acknowledged as never before, and more and more instructions in technical schools are recognizing the fact that it is an essential part of an engineer's education.

Note.—See Department of English 5 and 6.

MATHEMATICS.

Too much stress cannot be laid upon the study of mathematics for the mining engineering student. It is very essential that a mining engineer be able to cope with the mathematical engineering problems that confront him in the practical world. To do that it is necessary that the student make application of himself thoroughly so that he may become as efficient as possible for the profession that he intends to follow (Mining Engineering). Without mathematics it is impossible to become a success in this line of work.

(See Department of Mathematics.)

MECHANICAL SECTION.

1. **Mechanical Drawing.**—All efforts during the early part of the work are directed toward making the student thoroughly acquainted with, and exercised in, the proper use of his drawing instruments and drafting supplies in general. The work then proceeds with mechanical and free-hand lettering, line shading, tinting, shading with tints and conventional tints for different materials.

This work is now begun in the E. M. course in the Third Preparatory year, being introductory work, required ten times per week.

The instruction in the art of drawing is designed to give prominence to such branches of the subject as are of most value to the practicing engineer. It is required that the instruments used shall be of the best.

CIVIL SECTION.

1. **Surveying.**—Instruction is given in the theory of the adjustment of the transit and level, the principles of land surveying, topographical surveying and railroad work. The theory of the Plane Table and also that of the Aneroid Barometer are given.

Text Books: Johnson's "Theory and Practice of Surveying."

(a) **Field Surveying.**—The course consists in adjusting instruments, traverse surveys, calculation of areas and distances, stadia work. All the problems are plotted in the office and the calculations made in a regular book kept for that purpose.

Sophomore Year. Second term.

(b) **Mine Surveying.**—Under this head will be considered the theory of the determination of the true meridian by means of the various solar attachments and by direct observation of the sun and of a circum polar star; a careful discussion of the principles and methods used in locating and patenting mining claims, and in underground surveying will be given. The lectures delivered on these subjects enter into the detail with which they are connected and touch upon the Mining Law relating to surveyors and the patenting of mining property. The remaining time will be devoted to the outlines of the subject of geodetic surveying.

Sophomore year. Second term. Two hours.

2. **Theroetical Mechanics.**—This course consists of the theroetical study of mechanics and materials. Statistics of a material point and of rigid bodies; centers of gravity; chains and cables; moments of inertia of plane figures, stresses and strains, tension, shearing, compression torsion, flexure, combined torsion and flexure, elastic curves, safe loads, applications to commercial forms, oblique forces, columns, continuous beams. Dynamics of material point, Im-

pact, Virtual, Velocities, Centrifugal and Centripetal Forces, Moments of Inertia of Solids, Pendulums, Dynamics of Rigid Bodies, Work, Power, Energy, Fly-Wheels, Friction Dynamometers, Belts.

Junior Year. Second term. Four hours per week, lectures and recitations.

Text Book: Church's "Mechanics of Engineering with Notes and Examples."

3. Mechanical of Materials.—Theory of stress, strain and elasticity and its application to the design of members of machines and structures; a discussion of the properties of the materials of engineering construction.

Junior Year. Second term. Three times per week.

4. Hydraulics and Hydraulic Motors.—This course is given partly by lectures, and partly by recitations; it embraces hydrostatics. The flow through orifices, through pipes, flumes, ditches and conduits of various forms. It also includes an elementary study of the various types of hydraulic machinery.

Senior Year. First term. Five times per week.

Text Books: Church's "Mechanics of Engineering" and "Hydraulic Motors."

METALLURGY.

The work in this department is designed and planned to give students a thorough and systematic training in the art of all branches of Metallurgy.

With the limited time at our disposal it is impossible to give students the skill coming from long practice, but it is the aim of this department to train men to become useful immediately upon their entrance into the practice of their chosen profession. All metallurgical courses are accompanied by metallurgical problems which give the student a technical command of the subject.

1. Assaying.—Lectures and recitations once a week, six-

teen weeks, winter and first half of spring term, and one hundred and twenty hours of laboratory work, including half an hour daily recitations. To be preceded by Qualitative Analysis and Mineralogy.

The Fire-Assaying comprises: Assay of ores and metallurgical products of silver, gold and lead by scorification and crucible methods; also the assay of silver bullion, base bullion, of rich silver sulphide for gold and silver, of cyanide solution for gold, of copper for silver and gold, and the assay of ores and products containing metallics.

The Assay Laboratory is equipped with the latest apparatus for assaying. The furnace used is a Case Combination Gasoline furnace. Other apparatus is to be had that makes it possible to carry on any sort of metallurgical experiments desired. A first-class course is offered in this subject.

Text Book: Lodges' "Notes on Assaying"—Mondays and Wednesdays.

2. Metallurgy.—This course is arranged to meet the requirements of the mining engineer, as well as for those who are intending to specialize in metallurgy.

The instruction covers the following:

1. Ores, their characteristics, classification and qualities.
2. Sampling of ores and products.
3. Preparation of ores, crushing and the kinds of fineness of crushing.
4. Combustion, Fuels, natural and artificial, manufacture of fuels, gas producers and apparatus.
5. Roasting of Ores and Roasting Furnaces and the Chemistry of Roasting.
6. Refractories, etc.

Especial attention is paid to the pyritic smelting of copper ores in this course. To impress this work more thoroughly on the mind of the student several trips are made to sur-



BUSINESS DEPARTMENT



CLASS IN ENGINEERING

rounding districts, where the student may see the actual practice of copper smelting. Students in this course are required to make a trip to the Tennessee Copper District, where pyritic smelting may be seen in its truest sense, as this is the best type of this sort of smelting in the world.

(a) **Fuels, Iron and Steel.**—Historical sketch. The relation to Metallurgy to Chemistry. Properties of the metals, alloys, brasses and bronzes. Thermo-treatment of metals. Fuels in the solid, liquid, and gaseous state; their occurrence and manufacture.

Refractory materials, their occurrence, properties, manufacture and uses. Furnaces, different types used for various metallurgical operations. Blowing apparatus. Hot Blast stoves. Typical metallurgical processes. Sampling of ores and metallurgical products. Roasting of gold, silver, copper, lead, zinc and iron ores.

This is followed by the metallurgy of iron and steel from the ore in the mines through the various processes of the modern steel works to the commercial products viewed on every side.

Junior year. First term. Five hours per week.

Text Book: "Campbell's Iron and Steel."

(b) **Lead and Zinc.**—This course is a lecture course with short quizzes every week. The kind of ores, methods of handling and treating them in different localities, together with detail work on the smelter layout, covers this ground thoroughly. Appropriate trips will be taken during the work.

Senior year. Second term. Five hours per week.

Ore Dressing.—A detail study of the handling of ores and getting them into shape for metallurgical treatments. Crushers, stamps, jigs, screens, concentrators of various descriptions, stamps and the detailed study of mill construction and arrangement is made. Work in neighboring mills will be arranged so that students will have practical experience in this line of work.

(c) **Metallurgy of Gold.**—Occurrence of Properties. Various processes of extraction. Stamp Milling. Extraction by amalgamation. Extraction by Chlorination. Extraction by cyaniding. Arrangements of plants and typical mills. Melting and refining of gold and parting of gold and silver bullion.

(d) **Metallurgy of Silver.**—Occurrence and properties. A general discussion of various processes for the extraction from ores. The Patio process. The Washoe process. The combination process. The roasting and pan amalgamation. The Boss process. Wet processes. Refining of silver bullion. Purchasing, sampling and testing.

Senior year. Five times per week. Second term.

(e) **The Metallurgy of Copper.**—Smelting in reverberatory and blast furnaces. Pyritic matte smelting. Concentration of mattes by various processes. Wet processes of treating mattes and ores. The study and calculation of the furnace charges, and slag. Bessemerizing. Process of refining in reverberatories and electrolytic refining.

Senior year. Second term. Five hours per week.

Text Books and References: Rose's "Metallurgy of Gold," Collins' "Metallurgy of Silver," Schnabel's "Hand Book of Metallurgy," Richard's "Stamp Milling of Gold Ores," Peters' "Modern Copper Smelting," Long's "Matte Smelting."

(f) **Nickel, Mercury, Tin, Antimony, Cadmium.**—The metallurgy of these metals is discussed only briefly.

METALLURGICAL LABORATORY PRACTICE.

Senior year. Fall term. Three hours a week.

The instruction comprises laboratory and recitation work as follows:

Amalgamation.

Leaching methods for the extraction of gold, silver and copper.

Roasting, oxidizing, etc.

Metallurgical calculations.

Metallurgical Problems.—This course has reference to the designing and proportioning of various types of furnaces for special duties and conditions. It will call for a clear conception of the metallurgical principals.

Senior year. First term. Three periods.

ENGINEERING, CHEMISTRY AND ADVANCE QUANTITATIVE ANALYSIS.

This course consists of chemical work embracing those problems found in the engineering profession. An endeavor is made to fit the student with a training that will enable him to cope with the problems found in the practical world.

Special emphasis is made in the study and analysis of all the common metals.

A further explanation of the course will be given by the instructor.

This course is required of the Seniors five times per week.

MINERALOGY.

The work in this department is intended for students taking the course of mining engineering and metallurgy.

1. **Mineralogy.**—The work in this class intended as a preparation for those entering upon the studies of geology and petography, mining and metallurgy. A knowledge of Chemistry and Physics is necessary for a proper comprehension of the subject. The regular work consists of a course of lectures and demonstrations on crystallography at the beginning of the fall term, illustrated by lectures on the physical and optical properties of minerals, the description of about forty prominent Georgia minerals, practical work in the determination of these by means of the blow-pipe and the field tests.

The practical work of the class is conducted in the mineral-

ogical and blowpipe laboratory, where are located the specimens of commonly occurring minerals. Students are taught to recognize minerals by simple field tests, such a form, color, streak, hardness, specific gravity, etc.

Freshman year. Three times per week.

Text Books: Moses and Parson's "Mineralogy and Blowpipe Analysis." Reference, Dana's "Mineralogy."

Blowpipe Work.—In this course only the most characteristic relations of the more commonly occurring elements are presented, namely, those which will be found necessary for the proper determination of the minerals presented in the course in Determinative Mineralogy.

In this work the student is given a series of KNOWN minerals upon which he carries out all Blowpipe tests, after which he is given UNKNOWN minerals for same series of tests. This is supplemented by use of hand specimens, fitting the student for work in the field.

Sophomore year. Five times per week.

Text Books: Moses and Parsons' "Mineralogy, Crystallography and Blowpipe Analysis."

GEOLOGY.

The instruction in this department is adapted to the needs of the prospector, the mining engineer, and the professional geologist. Provision is also made for persons who desire a knowledge of the subject as a part of a general education.

Students have access to the Geological and Mineralogical laboratory, which contains a large number of specimens illustrative of petrography, palaeontology, economic minerals, and general geology of the United States and especially of the State of Georgia.

1. **General Geology.**—A study will be made of structural and dynamical Geology in connection with their bearings on economic problems.

Entire Junior year. First term, five times per week; second term, five times per week.



COOKING CLASS



SERVING LUNCHEON

Text Books: "General Geology." Scott.

Books for Reference: Geikie's "Field Geology," Dana's "Manual of Geology."

2. **Economic Geology.**—Students are required to take part in the excursions to various mines in the neighborhood of Dahlenega.

Lectures on the origin, modes of occurrence and uses of metals and their ores; materials used in the production of light and heat; minerals used in chemical manufacture; salt, brine, mineral waters, cements, refractory materials, gems and precious stones.

Text Books and Books of Reference: "Economic Geology of the United States" (H. Ries). "Ore Deposits of the United States of Canada" (Kemp).

Senior year. Three times per week.

3. **Geological Surveying.**—This work comprises instruction along the general plan of geologic survey as carried on by the United States Geological Survey. Maps, folios, etc., are studied and practical field work takes place in the spring term.

Senior year. Second term. Lectures, two times a week.

Field Classes in Geology.—The attention of students and others is called to the practical study of geology, mineralogy, and prospecting methods. Some of the chief mineral localities of the Dahlenega District are visited each session and abundant opportunities are offered for collecting specimens and studying modes of occurrence of substances of economic value.

MINING SECTION

Mining.—This course may be outlined as follows: Hoisting, under which will be considered motive powers, ropes, gallow-frames, receptacles and safety appliances and pneumatic hoisting. Haulage: a discussion of the different systems of underground and surface transportation, includ-

ing areal rope-ways. The drainage, ventilation and lighting of mines. Explosives, the theory of blasting, pointing and charging holes; methods of firing. Methods of breaking ground. Boring, diamond drill work, and percussion methods. Instruction is given in methods of shaft sinking, mine timbering and exploitation, hydraulic mining, ore deposits, mine managing and the employment of labor, mine examinations, sampling of ore bodies, estimation of the ore, which can be measured, and the valuation of mining properties.

Elementary Mining.—This short course is primarily to outline the principles on which the science of Mining Engineering is based, and is designated to introduce the student to fundamentals which will enable him to appreciate the applications of other studies of the Freshman and Sophomore years.

The students of this class are allowed to make short visits to the mines and mining property of the surrounding country where they may see carried out in actual practice the theories learned in the class room. This is a very important part of the course, as the students derive great benefit from these short visits.

Freshman year. Lectures first term, four hours per week; second term, three hours per week.

Elements of Ore Dressing.—A course in the principles of the mechanical movements underlying the operation of Ore Dressing Machinery. The course consists of series of lectures on Shafting, Pulleys, Belting, Power, Transmission, and Mechanical Movements for obtaining uniform, intermittent and variable motions; a short discussion of the more common fittings used in transmission of air and steam, and a brief description of the various machines and apparatus in use for the crushing, classification and concentration of the more important ores. Numerous problems are given the students to illustrate the principles discussed.

Lectures: Senior year, first term. Five lectures per week.

Text-Book: Richards, "Ore Dressing."

DYNAMO AND ELECTRIC MACHINERY.

This course consists of instruction in dynamo machinery with the ultimate view of familiarizing the mining student with the dynamo and its operation. The student will be given the chance to design and erect small machines of the direct current type. The class of work consists of lectures and recitations of the following work: Electrical Laws and Facts, Magnetic Laws and Facts, Armatures, Field Magnets, Operation of Armatures, Efficiency of Operation, Constant Potential Dynamos, Constant Current Dynamos, Motors, Series Motors, etc.

Text-Book: Sheldon's Dynamo Electric Machinery.

Senior year. Fall term. Four times per week.

SHOP PRACTICE.

1. **Forge Work.**—This work begins with simple exercises in drawing, upsetting, bending, twisting, punching and welding. The work gradually becomes more difficult, such as making eye bolts, tongs, chains, etc. Tool-making is then taken up by making hammers, chisels, screw-drivers. This work is fully illustrated by means of drawing and lectures covering the properties of iron and steel. Extreme care is given to make the student familiar with the most useful grades of steel and correct shape and temper necessary for the best work in cutting iron, brass, stone, etc. The final work is the making of rock drills and testing same on grades of rock of different degrees of hardness.

Sophomore Class. Throughout the day on Mondays and Wednesdays.

2. **Mechanical Drawing.**—The student is here given practice in Geometrical Construction until he is familiar with the

nature, care and use of drafting instruments. Then, after studying the principles of orthographic projections, intersections and development, he is thoroughly drilled in free-hand lettering. The course is completed with one term of machine drawing. In this the student is required to make sketches, details and assembly drawings of machines.

Freshman. Six hours throughout the week.

Machine Drawing.—This course is a continuation of the work in Mechanical Drawing taken up in the Freshman year. This work treats of the more complicated parts of machinery, covering gears, power transmission, mechanism and machines used especially in Milling and Ore Dressing.

Required of all mining students.

3. Metal Work.—This course begins with chipping to a line, filing to a dimension and scraping to a surface plate. Machine operation is taken up next; the principles and uses of the drill press, lathe, etc., are taught by lectures, followed by the actual use of the machine. After a reasonable time, skill is attained in operating the various machines through a course of graded exercises. The degree of accuracy thus acquired enables the student to use hand and eye in unison, and is a lasting benefit in teaching exactness in statement and measurement.

This course is required of Sophs in the Mining Course, one afternoon per week.

4. Wood Turning.—Several lathes have been installed for use during the ensuing year. This course consists of use of the wood lathe in general, which familiarizes the student with this machine. He is given exercises, beginning with a plane cylinder, including curves of various kinds and sizes, and concluding with face plate work in rings, balls, goblets, and vases. On all preliminary work students are required to use the tools in such a way as to make the use of sandpaper unnecessary.

Required of Freshmen.

5. Wood Work or Carpentry.—This course is intended to familiarize the student with the use of wood working tools. The course starts out with simplest exercises of the saw, plane, etc., and ends with difficult exercises in cabinet making. This course is open to all students of the college.

Required of Freshmen and Sophomores.

GAS ENGINE LABORATORY.

This is a laboratory course. The student is required to calculate the efficiency of gas engines, power developed, gasoline consumption, etc., and in fact all that is necessary for the care of gasoline engines may be learned in this laboratory course.

Senior year. One afternoon per week.

COURSE—MINING ENGINEERING.

Freshman Class.

	Time in periods per week.	
	First Term.	Second Term.
Lectures and recitations:		
Algebra (1) -----	5	1
Trigonometry (2) -----		5
General Chemistry -----	5	5
Elementary Mining -----	3	3
Elementary Mineralogy -----	3	3
Mechanical Drawing -----	3	2
English (1) -----	3	3
Gen. Chemistry Lab. (Science 1) -----	1	1
	—	—
	23	23

Sophomore Year.

Lectures and Recitations:		
Analytical Geometry -----	5	
Calculus (3) and (4) -----		5
English (3) -----	3	3
Qualitative Analysis -----	5	5

	Time in periods per week.	
	First Term.	Second Term.
Mineralogy and Blowpipe Advanced -----	5	5
Plane Surveying -----		3
Lectures in Mine Surveying -----		2
Machine and Mill Design -----	2	
Forging, Metal Work and Wood Turning ---	3	
	<u>23</u>	<u>23</u>

JUNIOR YEAR.

Lectures and Recitations:

Masonry Construction -----	5	5
Physics -----	5	5
Mechanics of Engineering -----	3	
General Geology (3) -----	5	5
Metallurgy -----	4	4
Assaying -----	2	
Mining -----	1	3
Mechanics of Materials -----		3
Quantitative Analysis -----	5	5
	<u>30</u>	<u>30</u>

Gas Engine Laboratory, Mondays.

Quantitative Analysis, Mondays.

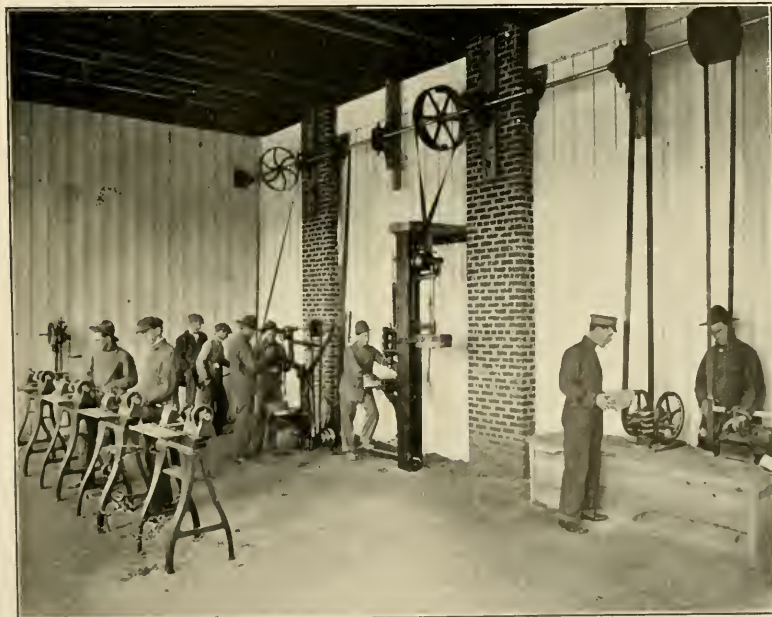
SENIOR YEAR.

Lectures and Recitations:

Hydraulics -----	5	
Ore Dressing -----	5	5
Economic Geology and Geo. Survey -----	3	3
Metallurgy -----	5	5
Metallurgy Lab. and Problems -----	3	
Dynamo Mach. and Electrical Transmission	4	
Thesis -----		7
Ore Dressing and Mining Memoirs -----		1
Engineering Chemistry and Advanced		
Quantitative Analysis -----	5	5
	<u>30</u>	<u>26</u>



WOOD SHOP



MACHINE SHOP

PREPARATORY DEPARTMENT.

To meet the needs of those sections of the State that have no high schools, or where the high school is imperfectly developed, and yet where the people desire to give their sons and daughters a good education, the North Georgia Agricultural College has provided a Preparatory Department offering a three years' course of instruction in English, Mathematics, Latin, Science, History, Drawing, Penmanship, Orthography, Commercial Arithmetic and Commercial Geography and leading up to the freshman class of fourteen unit colleges.

Any student taking the high school work in the Preparatory Department of this college has more advantages than any high school can offer. In the first place, the Departmental method is used. This brings the student in contact daily with at least four or five teachers instead of one or two as is often the case in the high school and from this contact the student is enabled to imbibe the best from a greater number. And may we with modesty add that the State has some of her best talent employed at this Institution. In the second place, the association with college students in the dormitories, in the college halls, in the literary societies, and on the drill fields, as well as on the athletic field, has this additional advantage in that the college man sets the high school boy a pace for nobler and higher things. In the third place, the recitation periods are forty-five minutes and there is no congestion of either time or work.

To enter the First Preparatory class it is necessary for the pupil to have satisfactorily completed the First Year (eighth grade) of the high school. Students should not apply who have not a practical knowledge of English Grammar, Arithmetic, United States History, Political Geography, and some knowledge of literature.

COURSE OF STUDY.

English.

1. **Elementary English Composition.**—The object of this course, primarily, is to enable the student to express himself correctly, intelligently, and interestingly; to make use of his own powers of observation, reflection, and imagination, to increase and to intensify his vocabulary; and give some acquaintance with the master-pieces of literature.

It will include instruction in the technicalities of writing, composition, reproduction, memorizing, reading, declamation, and drills. A general review of English Grammar will be made during the year.

Text: Sykes' "Elementary English Composition" (English Grammar Supplement).

Required for reading and study; "Franklin's Autobiography," "Merchant of Venice," "Courtship of Miles Standish," "The Vicar of Wakefield," "Washington's Farewell Address" and "Webster's First Bunker Hill Oration."

First Preparatory Class: Entire year. Five hours per week.

2. **Elementary Rhetoric and Composition.**—Continuation and enlargement of work of the First Preparatory Class; study of English usage, enlargement of pupil's vocabulary; study of themes, paragraphs, sentences, words, and minor forms of composition; frequent written recitations, compositions, collecting and arranging material, out-line assigned selections; style as interpreted through general characteristics of standard authors; study of prescribed literature; drills in punctuation; reviews based upon summaries; declamations, memorizing; a research in the classics.

Text: Brooks and Hubbard's "Composition-Rhetoric;" Painter's "Poets of the South." Required for reading and study; "Julius Caesar," Irving's Sketch book, Macaulay's "Life of Johnson," Scott's "The Lady of the Lake," Parkman's "The Oregon Trail."

Second Preparatory Class. Entire year. Five hours per week.

3. **English Composition**—Exposition, Argument, Description, narration, and elements of Prosody; review of minor forms of composition; careful study of selected literature with the view of inciting the pupil to a love of good literature; reading, memorizing, declamations; reviews; Greek, Roman, and Norse Mythology.

Text: Gardiner, Kittridge and Arnold's "Manual of Composition and Rhetoric."

"History of American Literature," Hallecks. Gayley's "Classic Myths" (Revised).

Required for reading; "Macbeth," "Conciliation with America," "Milton's Minor Poems," "Silas Marner."

Third Preparatory Class. Entire year. Five hours per week.

SCIENCE.

1. **Physical Geography**.—This course will include the study of at least one textbook, together with an approved laboratory and field course of at least thirty-five exercises performed by the student.

Text: "High School Geography."—Dryer.

First Preparatory Class. Entire year. Five hours per week.

2. **Elementary Physics**.—Recitation work, three hours per week; laboratory work, four hours per week. Practical application will be made and emphasized of the principles of mechanics; properties of matter, heat, sound, light, electricity and magnetism.

Text: Carhart and Chute's "First Principles of Physics."

Second Preparatory Class. Entire year.

3. **Biology**.—This course includes animal, human, and plant Biology, together with frequent experiments and

classification. Practical experiments in laboratory, in field, and class-room. Results will be kept in tabulated form in note-book. The course will be accompanied with lectures on different topics.

Text: Bailey and Coleman's "First Course in Biology."

Third Preparatory Class. Entire year. Five hours per week.

HISTORY.

Greek and Roman History.—This course will include a brief and condensed account of the early nations with their contributions to the Greek and Roman Countries. The effects of Greco-Roman institutions on the more modern civilizations will receive special emphasis.

Text: To be selected.

First Preparatory Class. Entire year. Five hours per week.

2. Modern History.—This course to follow Course 1, and complete study to the present time. Causes and effects will be considered primarily.

Text: To be selected.

Second Preparatory Class. Entire year. Five hours per week.

3. American History.—History and civics in this course form one study. Chronological history is studied from a political standpoint. Government is regarded as the structural aspect of inherited and acquired racial experience. Major stress upon the development of social and industrial arrangements.

Text: Cousin and Hill's "American History."

Third Preparatory Class. Entire year. Five hours per week.

LATIN.

Course 1.—D'Ooge's "Latin for Beginners."

First Preparatory Class. Entire year. Five hours per week.

Course 2.—Walker's "Caesar's Gallic Wars." Four books. Bennett's "New Latin Composition."

Allen and Greenough's "New Latin Grammar."

Second Preparatory Class. Entire year. Five hours per week.

Course 3.—Johnston & Kingery's "Cicero's Orations and Letters." Six Orations.

Bennett's "New Latin Composition."

Allen and Greenough's "New Latin Grammar."

Third Preparatory Class. Entire year. Five hours per week.

MATHEMATICS.

Course 1.—Young and Jackson's "Elementary Algebra." To Chap. XV.

First Preparatory Class. Entire year. Five hours per week.

Course 2.—Young and Jackson's "Elementary Algebra," completed.

Second Preparatory Class. Fall term. Five hours per week.

Wentworth and Smith's Geometry (Plane). Three books.

Second Preparatory Class. Spring term. Five hours per week.

Course 3.—Wentworth's "Higher Algebra."

Third Preparatory Class. Fall term. Five hours per week.

Wentworth and Smith's Plane Geometry. Completed.

Third Preparatory Class. Spring term. Five hours per week.

BUSINESS.

Course 1.—(a) Spelling (A Practical Commercial Speller, Atwood) (b) Penmanship (The Palmer Method).

First Preparatory Class. Entire year. Five hours per week.

Course 2.—(a) Moore's "Commercial Arithmetic." (b) Penmanship (Palmer Method).

Second Preparatory Class. Entire year. Five hours per week.

Course 3.—(a) Moore's "Commercial Arithmetic." Completed. (b) Commercial Law. (c) Penmanship (The Palmer Method).

Third Preparatory Class. Entire year. Five hours per week.

SCHEDULE OF STUDY FOR PREPARATORY CLASSES.

Required for all A.B. and B.S. and B.Ph. Courses:

	1st	2d	3d Prep.
English -----	(1)	(2)	(3) 5 hours per week
Mathematics -----	(1)	(2)	(3) 5 hours per week
Science -----	(1)	(2)	(3) 5 hours per week
Latin -----	(1)	(2)	(3) 5 hours per week
History -----	(1)	(2)	(3) 5 hours per week

(1) For all B.B.S., M.E. and B.Agr. courses substitute Business (1, 2, 3), respectively, for Latin (1, 2 and 3).

(2) A special schedule for shopwork may be arranged later.

(3) For girls Domestic Science may be substituted for regular Science.

MILITARY DEPARTMENT.

Commandant of Cadets, First Lieut. Albert B. Kaempfer, 26th Infantry, U. S. Army.

Assistant Commandant with rank of Major, E. L. Floyd.

This department is organized as follows:

A Cadet Battalion, of two companies; Band, and Signal Detachment.

The organization of these units conforms, so far as practicable, to that of like units in the army of the United States.

The names and rank of all cadet Officers and Non-Commissioned Officers appear below:

Battalion Field Staff and Non-Commissioned Staff Officers.

Cadet Major	C. H. Palmer
Cadet 1st Lieut. and Batt. Adjt.	W. A. Hatfield
Cadet 2nd Lieut. and Quartermaster	H. G. Dickson
Cadet Sergeant Major	L. C. Frizzle
Cadet Color Sergeant	W. H. Brock
Cadet Color Sergeant	E. C. Houseman

BAND.

Prof. Ferdinand Angelsberg, Chief Musician, U. S. Army,
Retired, Instructor.

Cadet 1st Lieut.	W. C. McKenzie
Cadet 2nd Lieut.	R. W. Kennon
Cadet Chief Musician	J. E. Owens
Cadet Principal Musician	M. R. Lemon

J. A. Johnson	Cadet Sergeants	F. James
L. M. Byck	Cadet Sergeants	E. K. Wilkinson
T. J. Aycock	Cadet Corporals	E. W. Fisher
J. D. Gray	Cadet Corporals	W. C. Sturdivant

COMPANIES.

“A”

“B”

S. J. Morris	Cadet Captain	O. Smith
W. H. McCaslin	Cadet 1st Lieutenant	A. Denk
R. L. Davis	Cadet 2d Lieutenant	S. T. Gibson
M. J. Walker	Cadet 1st Sergeant	M. J. Moore
Lee Floyd	Cadet Sergeant	J. H. Peyton

COMPANIES.

“A”

“B”

E. V. Whelchel	-----	Cadet Sergeant	-----	W. J. Harley
G. C. Polk	-----	Cadet Sergeant	-----	W. A. McManus
J. A. Stinson	-----	Cadet Sergeant	-----	W. B. Hale
R. S. Majette	-----	Cadet Sergeant	-----	E. H. Palmour
J. W. H. Lambert	-----	Cadet Sergeant	-----	R. C. Harlan
P. R. Whitaker	-----	Cadet Corporal	-----	Gus Thompson
P. W. Mills	-----	Cadet Corporal	-----	H. F. Higgins
J. W. Hill	-----	Cadet Corporal	-----	C. E. Carlovitz
J. P. Wells	-----	Cadet Corporal	-----	F. M. Rich
L. Weaver	-----	Cadet Corporal	-----	C. H. Farmer
O. Parks	-----	Cadet Corporal	-----	W. B. Johns

Under the expert leadership of Professor Ferdinand Angelsberg, formerly Chief Musician of Regiment of cavalry, U. S. Army, the College Band has reached a high state of efficiency. Its members are given a thorough course in music, and are trained in out-door marching and military exercises. The student at this institution receives training in music under a competent instructor, for which alone, if taken elsewhere as a specialty, he would pay more than all his expenses at this college. This opportunity for a free musical education should not be neglected.

RIFLE CLUB.

A Rifle Club, to which more than half of the cadets belong, affiliated with the National Rifle Association of America, is an attraction for all interested in marksmanship. Matches are shot weekly, during the winter months, with the leading universities and colleges in the United States.

In addition to the above, a prescribed course of target firing is engaged in on an out-door range, in which the cadets fire the regulation government rifle with service ammunition, at 100, 200 and 300 yards.

All training in marksmanship, indoor and outdoor, is di-



CARPENTRY WORK



MECHANICAL DRAWING

rectly under the supervision and personal coaching of the Commandant and cadets.

BARRACKS.

At a cost of \$20,000, the College now possesses a new and commodious structure which is used for barracks for the cadets. This is a modern brick building, furnished with electric lights, steam heat, water works, and bathing facilities. It is furnished throughout with suitable furniture, and every effort is made to contribute to the comfort of the cadets. Two cadets are assigned to each room. Board, room, light and heat are furnished a cadet for \$2.50 per week. Cadets are at all times under military discipline and control, and none is allowed to board or live outside of the barracks, except those living with parents, or very near relatives. Cadets outside of the barracks are required to conform to the same rules and regulations as those living inside.

ADVANTAGES OF MILITARY EDUCATION AND TRAINING.

The benefits which the student derives from the military training are moral, mental and physical. Military instruction and training develops the student morally by instilling into him principles of patriotism, courage, obedience to law and a high respect for lawful authority, while military discipline teaches the correct habits of living and develops in him the ability to take care of himself. Military instruction aids materially in the students mental development by its constant demand for alertness in thought and action. The advantages derived from daily military exercises in the open air are improved health, well developed physique, correct carriage, neat manly appearance and a greatly increased ability to study due to the better physical condition. No one can do himself credit mentally who is not fit physically.

The Military and Educational training given the student at the North Georgia Agricultural College develops him to

his greatest efficiency whether his services are to be rendered to his country in time of need or are to be used in the development of the resources of the country. It makes of the man a thoroughly reliable and quietly efficient citizen, one who is invaluable both in time of peace or war, in time of peace that he may improve his condition individually as well as develop the country, and in time of war by being able to lead others in the defense of the country and do it intelligently.

The industrial world today is searching for men who, coupled with other requisites of training and knowledge, obey promptly and carry out with exactness the instructions of those placed over them. Military training develops both these salient qualities.

INSTRUCTION.

The course of instruction, theoretical and practical, in the Military Department, is prescribed by the War Department and is made as complete and as thorough as is consistent with the work to be performed in the Collegiate Departments. The same importance is attached to the work in the Military Department as to that in any other department.

UNIFORMS.

The uniforms have been selected with a view to making them as inexpensive for the cadets as possible, and at the same time neat and durable. All uniforms are made to order. Arrangements have been made by which uniforms and equipment are purchased, by contract, and furnished to the cadets at cost. All uniforms are subject to inspection by the Commandant of Cadets as to fit, quality, and workmanship.

Cadets wear the uniform at all times during the school term. A deposit to cover the cost of uniforms, and equipment, must be made at the time of matriculation.

The uniforms are as follows:

Dress: Dark blue cap, army pattern, dark blue blouse,

made of 18-oz. broadcloth; cadet grey trousers; white gloves and black shoes.

Service: Hat, army pattern; blouse, breeches; all made of 16-oz. olive drab woolen material; canvas leggings, tan shoes; two olive drab shirts.

UNIFORM EXPENSES.

Blue cap, blue blouses, and grey trousers	----\$15.80
Service hat, blouse, and trousers	----- 15.25
1 pair leggings	----- .95
½ dozen pairs white gloves	----- .90
½ dozen standing collars	----- .75
2 olive drab shirts	----- 3.00

Total cost of clothing for one year -----\$36.65

The above cost is exclusive of shoes. Any neat black shoe (high top) may be worn with dress uniform. The cadet may bring these with him from his home. For the service uniform, tan lace shoes are required.

The dress uniform can easily be made to last for two years, and with good care the service uniform will also last through one year, and be suitable for drills and field work the next year.

Graduates of the North Georgia Agricultural College are eligible for appointment as Second Lieutenants of Infantry, Cavalry and Artillery in the U. S. Army, upon appointment, and after satisfactory examination. The salary of a Second Lieutenant is \$1,700.00 per year, with ten per cent. increase for each five years of service.

Graduates are also eligible for appointment as lieutenants of Philippine Constabulary, without examination (except physical), the salary beginning with \$1,200.00 per year.

Awards of Medals for 1914

FRESHMAN CLASS.

First Medal, J. H. Howard.

Second Medal, C. B. Sutton.

SOPHOMORE CLASS.

First Medal, J. E. Owen.

Second Medal, Oscar Smith.

OTHER PRIZES.

Saber awarded to Capt. G. Peyton, of Co. "B".

Individual Prize Drill won by Hill McCaslan.

Target Score won by R. K. McMillan.

Junior English Medal won by U. A. Lawson.

Clark Mathematics Medal won by Oscar Smith.

Rice Latin Medal won by L. C. Frizzelle.

Tate Science Medal won by M. C. Wiley.

Meaders General Excellence Medal won by Eugene B. Vickery, Jr.

Graduating Class, first honor, Miles C. Wiley.

ROLL 1914-1915

Name	Class	County	State	Vocation	Residence
Akins, J. R.	3	Union	Ga.	Farmer	Country
Amsler, O. L. ...	4	Greene	Miss.	Dept. Assessor	Town
Anderson, A. J. ..	2	Walton	Ga.	Farmer	Country
Ash, A. W.	2	Lumpkin	Ga.	Teacher	Town
Ash, Vella	4	Lumpkin	Ga.	Teacher	Town
Ash, A. W.	4	White	Ga.	Farmer	Country
Avery, Ida	2	Lumpkin	Ga.	Farmer	Town
Aycock, T. J.	3	Carroll	Ga.	Housekeeper	Town
Barnes, B. J.	2	Meriwether	Ga.	Farmer	Country
Berry, T. F.	1	Union	Ga.	Doctor	Town
Blackburn, W. P. .	1	DeKalb	Ala.	Farmer	Country
✓ Brandon, Susie ..	1	Lumpkin	Ga.	Matron	Town
Brock, W. H.	4	Carroll	Ga.	Doctor	Country
Brooksher, J. M. .	1	Lumpkin	Ga.	Merchant	Town
Brown, J. F.	1	Murray	Ga.	Doctor	Town
Brown, W. E.	6	Wilcox	Ga.	Merchant	Town
Bryant, W. R. ...	2	Lumpkin	Ga.	Farmer	Country
Byck, L. M.	2	Chatham	Ga.	Insurance	City
Carlovitz, C. E. ..	3	Harrison	Miss.	News Dealer	Town
Carmical, G. P. .	Sp.	Coweta	Ga.		Town
Cantrell, T. L. ...	5	Murray	Ga.	Farmer	Country
Carruth, E. A. ...	4	Madison	Ga.	Farmer	Country
Cobb, W. O.	3	Carroll	Ga.	Merchant	Town
Collins, L. B.	2	Wilcox	Ga.	Lawyer	Town
Crosby, L. O. ...	3	Appling	Ga.	Doctor	Town
Culpepper, L. E. .	Sp.	Taylor	Fla.	Doctor	Town
Culpepper, J. I. ..	2	Taylor	Fla.	Naval Stores	Town
✓ Cletcher, F. B. ...	2	Union	Ga.	Farmer	Country
Davis, R. L.	6	Oconee	S. C.	Farmer	Country
Denk, A.	4	DeKalb	Ga.	Treasurer	Town
Denk, Herbert ...	1	DeKalb	Ga.	Treasurer	Town
Dickson, H. G. ...	5	Morgan	Ga.	Farmer	Country
Dickson, R. M. ...	4	Oconee	S. C.	Farmer	Country
Duncan, K. R. ...	2	Lumpkin	Ga.	Teacher	Town
Duncan Ophelia..	1	Lumpkin	Ga.	Teacher	Town
Dunning, H.	1	Fulton	Ga.	Postal Service	City
DuPree, C. A. ...	2	Hall	Ga.	Merchant	City
Dyer, T. A.	1	Coweta	Ga.	Farmer	Country
Estes, T. S.	1	Fulton	Ga.	Doctor	City
Eubanks, H. M. .	3	Hillsboro	Fla.	R. R. Engineer	Town
Fannin, C. F.	3	Chatham	Ga.	Journalist	City
Farmer, C. H. ...	2	Bibb	Ga.	Engineer	Town
Faucett, F. C. ...	4	Pickens	Ga.	Machinist	Country
Ferguson, A. P. .	4	Lumpkin	Ga.	Teacher	Town
Ferguson, D.	Sp.	Lumpkin	Ga.	Teacher	Town
Ferguson, J. P. .	4	Lumpkin	Ga.	Teacher	Town
Ferguson, Laura. .	1	Lumpkin	Ga.	Teacher	Town

Name	Class	County	State	Vocation	Residence
Fisher, E. W.	1	.....	Fla.		Town
Floyd, Lee	Sp.	Troup	Ga.	Farmer	Country
Forrester, N. P. . .	2	Arcadia	Fla.	Merchant	Town
Frizzelle, L. C. . .	5	Hall	Ga.	Farmer	Country
Fry, Marvelle	Sp.	Lumpkin	Ga.	Civil Engineer	Town
Gainey, J. J.	6	Grady	Ga.	Farmer	Country
Gause, C. T., Jr. . .	1	Richmond	Ga.	Salesman	City
Geiger, W.	1	Bulloch	Ga.	Housekeeper	Country
Gibson, S. T.	6	Monroe	Ga.	Doctor	Town
Glenn, A. C.	6	Madison	Ga.	Merchant	Town
Glenn, Marjorie..	Sp.	Lumpkin	Ga.	Teacher	Town
Goforth, C. H. . .	4	Hall	Ga.	Contractor	Town
Goforth, C. W. . .	4	Hall	Ga.	Contractor	Town
Gordon, R. B.	1	Burke	Ga.	Merchant	Town
Gray, J. D.	4	Emanuel	Ga.	Mgr. Mer. Bus.	Town
Griffin, R. W. . . .	6	Coffee	Ga.	Cotton Broker	Town
Groover, J. R. . . .	2	Thomas	Ga.	Preacher	Town
Gunter, J. W. . . .	3	Coffee	Ga.	Banker	Country
Hagood, J. B.	2	Milton	Ga.	Merchant	Country
Hale, W. B.	2	Oconee	Ga.	Farmer	Country
Harris, J. P.	1	Fulton	Ga.	M. Pic. Show	City
Harlan, R. C.	2	Bibb	Ga.		City
Harley, W. J.	3	Hancock	Ga.	Farmer	Country
Hatcher, C. M. . . .	1	Dodge	Ga.	Merchant	Town
Hatfield, W. A. . .	6	Murray	Ga.	Farmer	Country
Heslop, R. C.	2	Canal Zone	Panama	Contractor	City
Head, Elmer	1	Lumpkin	Ga.	Merchant	Town
Head, Myrtle	2	Lumpkin	Ga.	Farmer	Town
Hendrix, Maude . .	2	Union	Ga.	Farmer	Country
Hendrix, Mattie..	Sp.	Union	Ga.	Farmer	Country
Herrington, R. G. .	2	Emanuel	Ga.	Lawyer	Town
Hill, J. W., Jr. . .	2	Duval	Fla.	Real Estate	City
Higgins, H. F. . . .	4	Lumpkin	Ga.	Farmer	Country
Hogg, Herman	2	Troup	Ga.	Farmer	Town
Houseman, E. O. . .	4	Douglas	Ga.	Land Ind. Agt.	Town
Hollingshed, C. A.	1	Richmond	Ga.	Cotton Broker	City
Hopkins, M. H. . .	2	Darlington	S. C.		
Hopkins, R. T. . . .	3	Pickens	Ga.	Salesman	Town
Hopkins, Will . . .	3	Pickens	Ga.	Salesman	Town
Hotchkiss, N. P. . .	4	Pickens	Ga.	Farmer	Town
Hubbard, W. W. . .	2	Dawson	Ga.	Merchant	Country
Huff, Lucile	1	Lumpkin	Ga.	Lawyer	Town
Huie, W. P.	6	Clayton	Ga.	Farmer	Country
Hulsey, Julius . . .	4	Ha■	Ga.	Salesman	City
Jackson, T. F., Jr.	3	Lumpkin	Ga.	Banker	Town
James, F. H.	2	Ben Hill	Ga.	Housekeeper	Town
Johns, W. B., Jr. .	3	Oconee	Ga.	Stenographer	Town
Johnson, J. A.	5	Gwinnett	Ga.	Merchant	Town
Johnston, K. E. . .	2	Floyd	Ga.	Boarding House	Town
Jones, D. K.	4	Elbert	Ga.	City Treasurer	Town
Kennon, R. W.	4	Telfair	Ga.	Doctor	Town
Knight, J. M.	2	Pasco	Fla.	Farmer	Town

Name	Class	County	State	Vocation	Residence
Knott, W. C.	2	Pike	Ga.	Cotton Broker	City
Lambert, J. W. H.	3	Clayton	Ga.	Preacher	Town
Lawson, U. A. ...	7	Hall	Ga.	Farmer	Country
Larimore, P. B. ..	2	Duval	Fla.	U. S. Inspector	City
Lawrence, R. C. ..	2	Hancock	Ga.	Farmer	Town
Lee, D. B.	4	Pike	Ga.	Merchant	Town
Lee, J. R.	1	Chatham	Ga.	Merchant	City
Lemon, M. R.	5	Cobb	Ga.	Merchant	Town
Liddell, G. M.	3	Fulton	Ga.	Lumber Dealer	Country
Lilly, Mardelle ..	2	Lumpkin	Ga.	Lawyer	Town
Littlefield, Fanny ..	2	Lumpkin	Ga.	Undertaker	Town
Lockwood, A. W. .	1	Polk	Fla.	Real Estate	Town
Long, Clarence ...	4	Pickens	Ga.	Machinist	Country
Loudermilk, D. F.	1	Hall	Ga.	Salesman	Town
Loveless, Eston ...	2	Lumpkin	Ga.	Carpenter	Town
Mabson, S. D. ...	3	Coweta	Ga.	R. R. Clerk	Town
Majette, R. S. ...	2	Wayne	Ga.	Naval Stores	Town
Marlow, Bunyan..	2	Lumpkin	Ga.	Farmer	Country
Marshall, W. C. ...	2	Polk	Ga.	Druggist	Town
Marun, H. H. ...	1	Lumpkin	Ga.	Carpenter	Town
Massey, W. H., Jr.	Sp.	Hillsboro	Fla.	Gov. Inspector	Town
Mau, George	2	Fulton	Ga.	Baker	City
Maulding, V. R. ...	2	Cherokee	Ga.	Farmer	Country
McCaslan, W. H. ...	6	Coweta	Ga.	Co. Official	City
McConnell, H. F. ...	2	Fulton	Ga.	Poultryman	Country
McDonald, Ruby ..	Sp.	Lumpkin	Ga.	Salesman	Town
McGee, Bertie ...	6	Lumpkin	Ga.	Merchant	Town
McIntosh, J. H. ...	3	Elbert	Ga.	Co. Official	Town
McKenzie, W. C., Jr.	5	Colquitt	Ga.	Bookkeeper	Town
McManus, W. A. ...	3	Bibb	Ga.	Merchant	Town
McMillan, G. S. ...	3	Habersham	Ga.	Solicitor Gen.	Town
McMillan, R. K. ...	7	Cobb	Ga.	Merchant	Town
McWilliams, P. A.	1	Pulaski	Ga.	Sawmill man	Town
Meaders, Rae	Sp.	Lumpkin	Ga.	Merchant	Town
Meetze, E. D. ...	3	Troupe	Ga.	Merchant	Town
Miller, W. C.	3	Thomas	Ga.	Farmer	Country
Mills, P. W.	3	Fulton	Ga.	Stenographer	Town
Mitcham, A. B. ...	2	Henry	Ga.	Business	Town
Mitchell, S. C., Jr.	2	Spaulding	Ga.	Warehouseman	Town
Mobley, R. J.	2	Walton	Ga.	Farmer	Country
Moore, M. J.	4	Screven	Ga.	Farmer	Country
Moore, R. M.	2	Lumpkin	Ga.	Merchant	Town
Morris, S. J.	5	Floyd	Ga.	Farmer	Country
Nettles, E. E.	3	Darlington	S. C.	Farmer	Country
Newell, C. O.	3	Carroll	Ga.	Farmer	Town
Newman, G. K. ...	3	Hall	Ga.	Merchant	City
Nichols, H. T. ...	1	Fulton	Ga.	P. O. Clerk	City
Nicholes, M. T. ...	5	Fulton	Ga.	Court Reporter	City
Nicholes, R. G. ...	2	Fulton	Ga.	Court Reporter	City
Nicholson, E. N. ...	6	Rabun	Ga.	Farmer	Country
Oliver, W. P.	Sp.	Hall	Ga.	Elec. Engineer	Town

Name	Class	County	State	Vocation	Residence
Otto, F. F.	2	Chatham	Ga.	Contractor	City
Owens, J. E.	6	Cherokee	Ga.	Farmer	Country
Owens, W. J.	1	Wilcox	Ga.	Merchant	Town
Palmer, C. H. ...	6	Gwinnett	Ga.	Farmer	Country
Palmour, E. H. ...	2	Hall	Ga.	Doctor	Town
Parks, J. O.	2	Hall	Ga.	Farmer	Country
Patz, L.	1	Beaufort	S. C.	Merchant	Town
Patz, S.	3	Beaufort	S. C.	Merchant	Town
Payton, C. R.	2	Worth	Ga.	Lawyer	Town
Pearce, Marie	Sp.	DeKalb	Ga.	Insurance	Town
Peyton, J. H.	3	Habersham	Ga.	Farmer	Town
Polk, G. C.	5	Coweta	Ga.	Farmer	Country
Pope, E. M.	4	Bibb	Ga.	Broker	Town
Pullin, R. E.	4	Spaulding	Ga.	Farmer	Country
Ray, Pearl	1	Lumpkin	Ga.	Mechanic	Town
Rich, Ben H.	3	Union	Ga.	Merchant	Town
Rich, F. M.	5	Union	Ga.	Preacher	Town
Roark, Fred	Sp.	Hall	Ga.	Farmer	Country
Roberts, Christine.	2	Lumpkin	Ga.	Janitor	Town
Robinson, C. C. ...	5	Johnson	Ga.	Lawyer	Town
Ross, R. O., Jr. ...	2	Barrow	Ga.	Printer	Town
Rowe, C. S.	2	White	Ga.	Optician	Town
Samuels, M. A. ...	1	Chatham	Ga.	Milliner	City
Sanders, Carlton ..	4	Emanuel	Ga.	Machinist	Town
Sargent, Pearl ...	2	Lumpkin	Ga.	Mechanic	Town
Satterfield, P. M. .	Sp.	Bartow	Ga.	Merchant	Town
Scott, W. M.	3	Spaulding	Ga.	Farmer	Town
Scruggs, E. M. ...	4	Bibb	Ga.	Salesman	City
Sessions, Lewe ...	Sp.	Cobb	Ga.	Real Estate	Town
Smith, A. Y.	4	Cherokee	Ga.	Farmer	Country
Smith, C. L.	4	Troup	Ga.	Co. Official	Town
Smith, H. J.	3	Butts	Ga.	Cotton Broker	Town
Smith, M. P.	5	Butts	Ga.	Merchant	Town
Smith, O.	6	Cherokee	Ga.	Farmer	Country
Smith, W. B.	2	Meriwether	Ga.	Doctor	Town
Snow, W. R.	2	Anderson	S. C.	Broker	Town
Stinson, J. A.	4	Wilkinson	Ga.	Co. Official	Town
Stinson, R. H. ...	2	Wilkinson,	Ga.	Co. Official	Town
Strickland, C. B. .	2	Ben Hill	Ga.	Merchant	Town
Strickland, H. M. .	4	Decatur	Ga.	Merchant	Town
Sturdivant, W. C. .	3	Carroll	Ga.	Cotton Broker	Town
Sunter, A. A.	1	Macon	Ala	Contractor	Town
Seabolt, O. G.	2	Lumpkin	Ga	Co. Supt. School	Country
Tate, J. H.	3	Lumpkin	Ga	Merchant	Town
Tate, O. J.	3	Lumpkin	Ga.	Merchant	Town
Tate, Pearl	4	Lumpkin	Ga.	Merchant	Town
Thomason, J. E. . .	1	Fulton	Ga	Printer	City
Thompson, Gus ..	2	Harrison	Miss.	Engineer	Town
Thompson, J. T. . .	2	Floyd	Ga.	R. R. Mail Clerk	Town
Turner, W. C.	2	White	Ga.	Farmer	Country
Turnipseed, H. R. .	3	Henry	Ga	Merchant	Town

Name	Class	County	State	Vocation	Residence
Vandiviere, H. G.	6	Dawson	Ga.	Lawyer	Town
Veal, John W. ...	3	Carroll	Ga.	Housekeeper	Town
Vickery, Eugene B.	3	Lumpkin	Ga.	Teacher	Town
Vickery, Katherine.	4	Lumpkin	Ga.	Teacher	Town
Vinson, F. G. ...	3	Chatham	Ga.	Merchant	City
Vinson, L. B.	2	Chatham	Ga.	Merchant	City
Vinson, R. G.	4	Coffee	Ga.	Doctor	Town
Wallis, J. E.	5	Dougherty	Ga.	Carpenter	Town
Walker, M. J.	Sp.	Coweta	Ga.	Stenographer	Town
Waters, Maude ...	2	Lumpkin	Ga.	Blacksmith	Town
Weaver, Lamar ..	4	Floyd	Ga.	Farmer	Country
Wehunt, Celorah..	2	Lumpkin	Ga.	Farmer	Country
Wells, J. P.	3	Spaulding	Ga.	Doctor	Town
Welchel, E. V. ...	5	Coffee	Ga.	Doctor	Town
Whitaker, P. R. ...	2	Fulton	Ga.	Doctor	City
Wiley, W. W.	5	Cherokee	Ga.	Merchant	Country
Williams, J. P. ..	3	Emanuel	Ga.	Real Estate	Town
Wilkinson, E. K. ...	4	Chatham	Ga.	Real Estate	City
Woods, A. C.	1	Pasco	Fla.	Real Estate	Town
Wooten, Heber ...	3	Dodge	Ga.	Housekeeper	Town
Wooten, Vernon ..	4	Dodge	Ga.	Housekeeper	Town

113 = from 7,6,5,4,3

NORMAL CLASS

Alison, Bertie White
 Alison, Annie White
 Avery, Ida Lumpkin

Bennett, Alma Hall

Carder, Pearl Lumpkin
 Carder, Janie Union
 Carder, George Union
 Cochran, Effie Jackson
 Cochran, Carrie Jackson
 Couch, Mae Lumpkin
 Crawford, Mrs. Ada .Dawson
 Crawford, Mary F. ..Hall

Davis, Clara Lumpkin
 Davis, Mary L. Lumpkin
 Dockery, Jno. Lumpkin

Evans, Nettie Hall
 Evans, Jessie Lumpkin

Garmon, Velvia Forsyth
 Garner, A. L. Hall
 Godfrey, Gussie Dawson
 Grizzle, Edward Lumpkin

Hall, Monnie Dawson
 Head, Nancy Lumpkin

Hutchinson, Belle ... Hall
 Hutchinson, Elizabeth.Hall
 Hutchinson, Lou Lumpkin
 Huff, Lucile Lumpkin
 Higgins, H. F. Lumpkin

Jackson, Flossie Lumpkin
 Jones, J. M. Lumpkin

Littlefield, Fannie ...Lumpkin

Marlowe, Bunyan Lumpkin

Peavy, Elizabeth Hall

Reese, J. H. White
 Ridley, Ellen Lumpkin

Sargent, Pearl Lumpkin
 Seabolt, Oliver Lumpkin
 Smith, R. H. White
 Stargel, Mary Hall
 Stargel, J. W. Hall
 Stargel, Mary Ann .Lumpkin
 Stowers, Ollie Dawson

Thornton, Hattie Hall

Wehunt, Celorah Lumpkin

SUMMARY

States Represented	5
Georgia Counties Represented	58
Farmers' Children	52
Merchants' Children	36
Lawyers' Children	7
Doctors' Children	18
Teachers' Children	11
Town Residence	133
Country Residence	54
City Residence	27
Male Students	197
Female Students	25
Normal Class	44
Total Attendance	266

NUMBER OF STUDENTS FROM GEORGIA COUNTIES

Appling 1	Dodge 3	Morgan 1
Barrow 1	Dougherty 1	Murray 2
Bartow 1	Douglas 1	Oconee 2
Ben Hill 2	Elbert 1	Pickens 5
Bibb 5	Emanuel 4	Polk 1
Bulloch 1	Floyd 4	Pulaski 1
Burke 1	Fulton 12	Rabun 1
Butts 2	Grady 1	Richmond 1
Carroll 5	Gwinnett 2	Screven 1
Chatham 8	Habersham 2	Spaulding 4
Cherokee 5	Hall 12	Telfair 1
Clayton 2	Hancock 2	Thomas 2
Cobb 3	Henry 2	Troupe 4
Coffee 4	Johnson 1	Union 7
Colquitt 1	Lumpkin 39	Walton 2
Coweta 6	Madison 2	Wayne 1
Dawson 2	Meriwether 2	White 3
Decatur 1	Milton 1	Wilcox 3
DeKalb 3	Monroe 1	Wilkinson 2

GRADUATES OF THE N. G. A. COLLEGE

Name	Present Address	Occupation.	Year In College	Residence when In College	Grad.	Remarks
Bates, M. G.	Atlanta, Texas	Teacher	1875-1878	Murray Co.	1878	Was Supt. of Schools At Ft. Worth
Coffee, R. N.	Texas	Lawyer	1875-1878	Gordon Co.	1878	
Collier, G. W.	Atlanta, Ga.	Merchant	1875-1878	Fulton Co.	1878	
Crusselle, W. F.	Atlanta, Ga.	Journalist	1875-1878	Fulton Co.	1878	Prof. in N. G. A. several years.
Earl, E. B.* .....	.....	Teacher	1875-1878	Floyd Co.	1878	
Gray, J. R.	Atlanta, Ga.	Journalist	1876-1878	Bartow Co.	1878	Editor of Atlanta Journal
Harris, W. D.	Fort Worth, Tex.	Lawyer	1875-1878	Murray Co.	1878	Judge
Lewis, Miss Willie* .....	.....	.....	1873-1878	Lumpkin Co.	1878	
(Mrs. Littlefield)						
Starr, O. N.	Calhoun, Ga.	Lawyer	1875-1878	Gordon Co.	1878	State Senator
Starr, Trammell*	Calhoun, Ga.	Lawyer	1875-1878	Gordon Co.	1878	Senator
Abernathy, J. H.* .....	.....	Teacher and Merchant	1878-1879	.....	1879	
Henley, J. W.	Atlanta, Ga.	Lawyer	1875-1879	Murray Co.	1879	Assistant U. S. Dis. Attorney former C. S. C., Pickens Co.
Chapman, Miss Lizzie.	Cuba, Ga.	Teacher	1874-1879	Lumpkin Co.	1879	
Gaillard, J. J.	Macon, Ga.	Civil Eng.	1873-1880	Spalding Co.	1880	Chief Engineer G. S. & F. R. R. & M. & A. Interurban Line
Lewis, Mary R.	Atlanta, Ga. ....	.....	1873-1878	Lumpkin Co.	1880	
Wilson, H. E.	Savannah, Ga.	Lawyer	1877-1880	Effingham Co. ....	.....	
Wilson, W. S.	Savannah, Ga.	Physician	1877-1880	Effingham Co.	1880	Prof. in N. G. A. C.
Watt, C. E.	Coweta, Ga.	Farmer	1877-1881	Forrest, Ala. ....	.....	
Power, C. G.	Hartwell, Ga.	Teacher	1878-1881	Cobb Co.	1881	Supt. of Public Schools
Davis, Sallie G. ....	.....	.....	1878-1881	Lumpkin Co.	1881	

McDaniel, Mrs. Fannie	.....	1880-1881	Carroll Co.	.....	1881
Howard, Mrs. J. N.	Easley, S. C.	1873-1881	Lumpkin Co.	.....	1881
Henderson, Calvin	Ark	1880-1882	Paulding Co.	.....	1882
Stow, M. N.	Jesup, Ga.	1876-1882	Lumpkin Co.	.....	1882
Peoples, L. C.	Dawson, Ga.	1880-1882	Terrell Co.	.....	1882
Mann, W. E.	Ringgold, Ga.	1880-1882	Floyd Co.	.....	1882
Napier, G. M.	Monroe, Ga.	1880-1882	Walker Co.	.....	1882
Chapman, F. T.*	.....	1874-1883	Lumpkin Co.	.....	1883
Fricks, N. A.*	.....	1880-1883	Franklin Co.	.....	1883
Jones, W. H.	Elberton, Ga.	1881-1883	Troup Co.	.....	1883
Key, W. H.	Alabama	1880-1883	Banks Co.	.....	1883
Stanton, M. W.	El Paso, Texas	1881-1883	Gordon Co.	.....	1883
Willis, G. T.	.....	1880-1883	Jackson Co.	.....	1883
Boyd, J. W.	Fairmount, Ga.	1880-1884	Dahlonega, Ga.	.....	1884
Coleman E. W.	Canton, Ga.	1880-1884	Talking Rock, Ga.	.....	1884
Coleman, W. S.	Cedartown, Ga.	1880-1884	Talking Rock, Ga.	.....	1884
Martin, W. C.	Dalton, Ga.	1881-1884	Spring Place, Ga.	.....	1884
Wardlaw, J. A.	Chattanooga, Tenn.	1882-1884	Chattanooga, Tenn.	..	1884
Willis, A. J.*	Rome, Ga.	1880-1884	Jefferson Co.	.....	1884
Willis, Miss Massie* (Mrs. John Ross)	.....	1880-1884	Jefferson Co.	.....	1884
Cavendar, J. M.	Chattanooga, Tenn.	1883-1885	Ringgold, Ga.	.....	1885
Crusselle, G. W.	.....	1884-1885	Atlanta, Ga.	.....	1885
Lively, M. L.	Atlanta, Ga.	1882-1885	Norcross, Ga.	.....	1885
Cartledge, S. J.	Athens, Ga.	1884-1885	Bald Springs, Ga.	.....	1886
Canning, N. G.*	.....	1883-1886	Flowerly Branch, Ga.	.....	.....

Former Mayor of Dawsonville, Ga.

State Senator
Journalist; Judge Advocate Gen. and Orator;
Grnd Mas. Ga. Masons

Once Member House of Representative.
Lt. Col. in Ga. Militia

Was Prof. in Young Harris and N. G. A. Colleges, also State Senator.

Ed. Cedartown Standard and Pres. Ga. Weekly Press Asso., Grand Master T. O. F. of Ga. State Senator

Pastor Presbyterian Church Athens, Ga.

GRADUATES OF THE N. G. A. COLLEGE

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks.
Cato, E. T.	.....	Teacher	1883-1886	Glenville, Ala.	1886	
Cato, J. C.	.....	.....	1883-1886	Glenville, Ala.	1886	
Fisher, L. O.	Ozark, Ala.	Lawyer	1881-1886	Alpharetta, Ga.	1886	
Standard, C. T.	.....	.....	1882-1886	Marietta, Ga.	1886	R. R. Employee C. R. R.
Stribbling, J. P.	Westminster, S. C.	Farmer	1883-1886	Richland, S. C.	1886	Vice Pres. Bank
Craig, D. S.	Atlanta, Ga.	Lawyer	1886-1887	Walhalla, S. C.	1887	
Nesbit, K. A.	Fairburn, Ga.	Law & Journ't	1882-1887	Fairburn, Ga.	1887	
Phillips, E. L.	Griffin, Ga.	Farmer	1884-1887	Griffin, Ga.	1887	
Phillips, J. H.	Kirkwood, Ga.	Physician	1884-1887	Griffin, Ga.	1887	
Fletcher, H. A.	Birmingham, Ala.	Lawyer	1884-1888	Jackson, Ga.	1888	Former Mayor of Jackson, Ga.
Morris, J. H.	.....	Teacher	1884-1888	Griffin, Ga.	1888	
Sheldon, W. A.	Liberty, S. C.	Physician	1886-1888	Westminster, S. C.	1888	
Swanson, W. T.	Young Harris	Organizer	.....	.....	.....	
Woodward J. C.	College Park, Ga.	Farmers' Union.	1888	Dahlonega, Ga.	1888	
		Teacher	1884-1888	Jackson, Ga.	1888	Pres. Ga. Military Acad., Lt. Col. Gov. staff. De-gree A. M.
Mincy, W. H.	Woodstock, Ga.	Teacher	1884-1889	Two Run, Ga.	1889	
Shelton, w. H.	Athens, Ga.	Broker	1885-1889	Jay, Ga.	1889	Lt. U. S. V. Spanish-American War.
Stribbling, T. M.	Cedartown, Ga.	Preacher	1886-1889	Richland, S. C.	1889	Belongs to Synod of Ga.
Almand, E. H.	Conyers, Ga.	Merchant	1886-1889	Conyers, Ga.	1889	Maj. U. S. A. V. Spanish-American War.
Chamblee, W. R.	.....	Lawyer	1888-1890	Pendergrass, Ga.	1890	Lt. U. S. Spanish-American War.
Vickery, E. B.	Dahlonega, Ga.	Teacher	1887-1890	Hartwell, Ga.	1890	Prof. in N. G. A. C. since 1890.
Lawton, Mrs. E. P.	.....	.....	.....	.....	.....	
nee Miss M. L. Basinger	.....	.....	.....	.....	.....	

Gilbert, T. H.	Preacher	1886-1891	Pendergrass, Ga.	1891	Minister Tex. Con. M. E. Church
Almand, J. M.	Merchant	1887-1891	Conyers, Ga.	1891	
Carmichael, H. B.*		1887-1891	Jackson, Ga.	1891	
Clark, J. B.	Physician	1887-1891	Eastman, Ga.	1891	
Head, M. H.	Physician	1887-1891	Dahlonega, Ga.	1891	College Surgeon, N. G. A. College
Harris, B. C.	Merchant	1887-1891	Dahlonega, Ga.	1891	
McMurray, R. A.	Merchant	1887-1891	Gainesville, Ga.	1891	
Mcaders, A. W.	Farmer	1887-1891	Gainesville, Ga.	1891	Legislator
Phillips, T. J.	Physician	1887-1891	Griffin, Ga.	1891	
Dendy, W. E.	Teacher	1887-1891	Richland, Ga.	1891	
Fouche, J. S.	Lawyer	1887-1891	Rome, Ga.	1891	J'ge City C'trt Rome, Ga.
Whelchel, Miss Louise	Teacher	1887-1891	Dahlonega, Ga.	1891	
Worley, Miss Anna L.		1887-1891	Dahlonega, Ga.	1891	
Cobb, W. H.*	Teacher	1889-1892	Mt. Airy, Ga.	1892	State Senator, Co. Sch'l Comm'r Franklin Co.
Allen, J. P. B.	Teacher	1887-1892	Dahlonega, Ga.	1892	
Ryals, Jas. W.	Merchant	1889-1892	Savannah, Ga.	1892	
Wood, Geo. B.	Merchant	1888-1892	Dawsonville, Ga.	1892	Doctor
Johnson, Miss Emily.		1891-1892	Marietta, Ga.	1892	
McMillan, W. B.	Farmer	1889-1893	Hartwell, Ga.	1893	Ordinary of Hart Co.
Pitner, J. M.	Lawyer	1889-1893	Two Run, Ga.	1894	Wilkes Co. fo'm'r C. S. C.
Steele, W. H.	Doctor	1889-1893	Stewart, S. C.	1894	
Hammock, A. D.	Teacher	1892-1895	Conyers, Ga.	1895	C. S. C. Rockdale Co.
Kimsey, W. L.*	Teacher	1895-1895	Clarksville, Ga.	1895	
Alexander, D. H.	U. S. Mail Ser-vice S. R. R.	1891-1895	Salem, S. C.	1895	
Roberts, Miss Alice*.	Teacher	1890-1895	Dahlonega, Ga.	1895	
Seabolt, T. W.	Merchant	1891-1895	Loudslove, Ga.	1895	Teacher, Cleveland, Ga.
Petit, Geo. F.		1893-1895	Cartecay, Ga.	1895	
Bryson, R. M.	Lawyer	1892-1896	Rockpile, Ga.	1895	Judge of City Court
Kytle, J. W.	Preacher	1894-1896	Center Side, Ga.	1896	
Meaders, F. M.	Merchant	1892-1896	Dahlonega, Ga.	1896	U. S. Inspector
Nix, R. C.	Farmer	1893-1896	Apple Valley, Ga.	1896	
Palmour, Oscar	Ins. Agent	1892-1896	Dougherty, Ga.	1896	

GRADUATES OF THE N. G. A. COLLEGE

Name.	Present Address	Occupation	Year in College	Residence When in College.	Grad	Remarks
Sinquefield, W. R.	Louisville, Ga.	Farmer	1893-1896	Louisville, Ga.	1896	
Pahner, W. P.	Clarksville, Ga.	Lawyer	1892-1897	Clarksville, Ga.	1897	
Rountree, Mrs. A. M.	Adrian, Ga.		1894-1898	Adrian, Ga.	1898	Wife of Dr. A. M. Rountree
nee Miss Hattie Rogers						
Parks, B. G.	Waycross, Ga.	Lawyer	1895-1899	Murrayville, Ga.	1899	
Johnson, R. L.		Teacher	1897-1899	Grangerville, Ga.	1899	
Clarke, E. M.		Bookkeeper	1898-1899	Louisville, Ga.	1899	
Cain, A. W.	Manilla, P. I.	Teacher	1896-1900	Porter Springs, Ga.	1900	Super. Pedagogy Normal School of P. I.
Gurley, H. D., Jr.	Birmingham, Ala.	Supt. Telph	1896-1900	Dahlonega, Ga.	1900	
McCleskey, F. H.	Atlanta, Ga.		1898-1900	Blackwells, Ga.	1900	
Peacock, H. L.	Rhine, Ga.	Lumberman	1896-1900	Cochran, Ga.	1900	
Smith, W. M.	Atlanta, Ga.	Lawyer	1896-1900	Augusta, Ga.	1900	
Harris, C. L.	Cummings, Ga.	Lawyer	1897-1900	Silver City, Ga.	1900	Mayor of Cummings, Ga., Co. Sch. Cmr.
Gaillard, Miss Fannie	Dahlonega, Ga.	Teacher	1896-1900	Dahlonega, Ga.	1900	Dahlonega, Ga., Pub. Sc.
McKibben, T. C.	Douglas, Ga.		1897-1900	Patillo, Ga.	1900	Douglas
Blount, R. M.	Waynesboro, Ga.		1898-1900	Waynesboro, Ga.	1900	
Crissom, Maggie	Atlanta, Ga.	Trained Nurse	1898-1900	Dahlonega, Ga.	1900	
McKee, W. J.	Arizona	Truck Farmer	1898-1900	McKee, Ga.	1900	
Sosbee, R. L. *			1898-1900	Nelson, Ga.	1900	
West, J. W.	College Park, Ga.	Teacher	1897-1901	Vera, Ga.	1901	Prof. G.M.A.College P'k, Ga., Lt. Col. Gov. staff
Harris, S. A.	U. S. Army	Soldier	1897-1901	Silver City, Ga.	1901	1st Lt. U. S. Army.
Whelchel, A. J.	Cordele, Ga.	Physician	1897-1901	Dougherty, Ga.	1901	Comdt. in N. G. A. C.
Sosbee, L. P.		Civil Eng	1898-1901	Nelson, Ga.	1901	
McGrath, M. H.			1899-1901	Nelson, Ga.	1901	
Scott, W. W.	Atlanta, Ga.	Clerk	1899-1901	Canton, Ga.	1901	
Farrar, W. T.	Atlanta, Ga.	Agt. I. N. H. Co.	1899-1901	Ingleside, Ga.	1901	

Byers, J. H.	Austin, Texas	Law Student	1898-1902	Price, Ga.	1902
Horton, Paul Jones	U. S. Army	Soldier	1899-1901	Winder, Ga.	1902
Byers, Augustus	Price, Ga.	Exp. Messenger	1898-1902	Price, Ga.	1902
Pitner, Mrs. M. W.	Chicago, Ill.	Teacher	1898-1902	Dahlonega, Ga.	1902
née Miss Marie Gaillard					
Barnes, J. C.	Dahlonega, Ga.	Teacher	1898-1902	Stinson, Ga.	1902
McKee, Miss Eva	College Park, Ga.	Teacher		McKee, Ga.	
(Mrs. J. W. West)					
Whitehead, A. C. Mrs.		Teacher	1898-1902	Pine Mt., Ga.	1902
née Miss C. Whelchel					
Whitehead, A. C.		Teacher			
Scales, J. H.		Cashier	1899-1906	Eastman, Ga.	1902
Byers, J. R.	Gainesville, Ga.	Farmer	1901-1902	Suwanee, Ga.	1902
Grant, N. W.	U. S. Navy	Soldier	1899-1903	Price, Ga.	1903
Berry, J. R.	Griffin, Ga.	Teacher	1899-1903	Clarksville, Ga.	1903
Byers, Miss Cora	Price, Ga.	Trained Nurse	1900-1903	Griffin, Ga.	1903
Elkan, Louis	Washington State	Merchant	1899-1903	Price, Ga.	1903
Maddox, C. E.			1900-1903	Brunswick, Ga.	1903
Gaillard, Miss Sallie			1900-1903	Freemansville, Ga.	1903
Fortson, L. G.	Chicago, Ill.	Teacher	1900-1904	Dahlonega, Ga.	1904
Henley, J. R.	U. S. Army	Bank Examiner	1901-1904	Elberton, Ga.	1904
Gortatowsky, J. D.	Atlanta, Ga.	Journalist	1900-1904	Jasper, Ga.	1904
Broach, J. F.	Atlanta, Ga.	Teacher	1900-1904	Albany, Ga.	1904
Stewart, J. C.	Leary, Ga.	Physician	1900-1904	Compton, Ga.	1904
Bowen, Urban	Buford, Ga.	Teacher	1900-1904	Ludville, Ga.	1904
Chappel, A. H.	Mudriver, Ga.	Farmer	1900-1904	Testatee, Ga.	1904
Drew, W. D.	Midville, Ga.	Cashier	1901-1904	Chappel, Ga.	1904
Holden, Lester			1901-1904	Midville, Ga.	1904
Steed, O. W. (Dead)	Spring Place	Merchant	1901-1904	Johnson, Ga.	1904
Jeks, G. J.	Atlanta, Ga.		1900-1904	Spring Place, Ga.	1904
Peacock, W. H.	Cochran, Ga.	Farmer	1902-1904	Hawkinsville, Ga.	1904
Rutherford, Robert	Culloden, Ga.	Freight Agent	1902-1904	Cochran, Ga.	1904
Byers, Rufus	Manila, P. I.	Soldier	1901-1904	Culloden, Ga.	1904
Whelchel, Miss Ruth	Lyons, Ga.	Teacher	1899-1905	Price, Ga.	1905
			1900-1905	Price, Ga.	1905

1st Lt. Coast Artillery.

Prof. in N. G. A. College.

Employee in P. Office.
Paymaster.

Prin. Public School.

J. S. Marines, 1st Lt.
Journal Staff.

Prin. of High School

1st Lt. Const., P. I.

GRADUATES OF THE N. G. A. COLLEGE

Name	Present Address	Occupation	Year in College	Residence when in College	Grad.	Remarks
Wilson, F. C.	Savannah, Ga.	Dentist	1881-1885	Savannah, Ga.	1905	Pres. Bowden College; now Supt. Public Schools, Georgiana, Ala.
Lunsford, W. P.	Georgiana, Ala.	Teacher	1901-1904	Suches, Ga.	1905	
Gay, B. F.	Sharpton, Ga.	Teacher	1902-1905	Sharpton, Ga.	1905	
Smith, R. E. L.*	Greely, Ga.	Teacher	1901-1905	Greely, Ga.	1905	
Bredlove, W. M.	Monroe, Ga.	Merchant	1903-1905	Monroe, Ga.	1905	
Castleberry, L. R.	College Park, Ga.	Bookkeeper	1903-1905	Dahlonega, Ga.	1905	
Harris, C. M.	Dalton, Ga.	Farmer	1903-1905	Dalton, Ga.	1905	
Matthews, W. O.	Decatur, Ga.	Farmer	1903-1905	Decatur, Ga.	1905	
McKee, H. D.	McKee, Ga.	Farmer	1902-1905	McKee, Ga.	1905	
Aycock, J. T.	Monroe, Ga.	Farmer	1902-1905	Monroe, Ga.	1905	
Patterson, E. P.	Griffin, Ga.	Lawyer	1901-1905	Milner, Ga.	1905	
Barnes, G. M.	Midville, Ga.	Teacher	1902-1906	Stinson, Ga.	1906	
Gaillard, W. S.	Dahlonega, Ga.	Lawyer	1900-1906	Dahlonega, Ga.	1906	
Jackson, W. L. ....	.....	Telephone S.	1901-1906	Stockbridge, Ga.	1906	
McKibbin, G. C.	Hepzibah, Ga.	Teacher	1904-1906	Elgin, Ga.	1906	
Davidson, E. W.	Atlanta, Ga.	Merchant	1903-1906	Atlanta, Ga.	1906	
Broach, W. E.	Compton, Ga.	Teacher	1903-1906	Compton, Ga.	1906	
Phillips, J. E.	Pierceville, Ga.	Lumberman	1902-1906	Pierceville, Ga.	1906	
Burnett, C. D.	Tennille, Ga.	Bookkeeper	1902-1906	Tennille, Ga.	1906	
Moore, R. V.	Helen, Ga.	Elec. Engineer	1903-1906	Dahlonega, Ga.	1906	
Knox, J. T.	Manila, P. I.	Const. Serv.	1902-1906	Westminster, S. C.	1906	
Simmons, Y. J.	Gainesville, Ga.	Teacher	1904-1906	Gainesville, Ga.	1906	
Elkan, Julius	Bell'gham, Wash.	Merchant	1904-1907	Brunswick, Ga.	1907	
Gaskins, Alvah	Nashville, Ga.	Merchant	1903-1907	Nashville, Ga.	1907	
Phillips, Chas. G.	Pierceville, Ga.	Lumberman	1903-1907	Fannin Co., Ga.	1907	
Stephens, M. L. ....	.....	Farmer	1904-1907	Heard Co., Ga.	1907	
Shed, Lizzie	Hoschton, Ga.	Teacher	1902-1908	Hoschton, Ga.	1908	
Burch, A. A.	Dublin, Ga.	Lawyer	1904-1908	Dublin, Ga.	1908	

Ray, Bruce	.....	Teacher	1903-1908	Newport, Ga.	1908
Gay, M. C.	.....	Teacher	-1908	Sharptop, Ga.	1908
Townsend, W. T.	.....	Lawyer	1900-1906	Sharptop, Ga.	1908
Black, J. D.	.....	Bank Cashier	-1908	.....	.....
Brooksher, C. J.	.....	Merchant	1902-1908	Dahlonega, Ga.	1908
Brown, C. B.	.....	.....	1903-1908	Camden Co.	1908
Castleberry, V. W.	.....	Moving Picture	1902-1908	Dahlonega, Ga.	1908
Mrs. Sam Buffington,	.....	.....	.....	.....	.....
nice Maude Jackson.	.....	Stenographer	1902-1908	Dahlonega, Ga.	1908
Neal, Harry	.....	.....	1903-1908	Hamilton, Ga.	1908
Creel, J. E.	.....	Teacher	1905-1908	College Park, Ga.	1908
Denham, E. T.	.....	.....	.....	.....	.....
Fraser, C. W.	.....	.....	1904-1908	.....	.....
Rice, G. E.	.....	.....	1904-1908	Hinesville, Ga.	1908
Bynum, G. N., A.B.	.....	.....	1904-1908	Forsyth Co., Ga.	1908
Power, C. E., A.B.	.....	Lawyer	1905-1909	Pine Mt., Ga.	.....
McGuire, Fannie	.....	.....	1906-1909	Vienna, Ga.	.....
Johnson, H. V.	.....	Teacher	1905-1909	Dahlonega, Ga.	1909
Cavender, E. J.	.....	Lawyer	1905-1909	New Bridge, Ga.	1909
Cavender, F. C., B.S.	.....	Teacher	1905-1909	Dahlonega, Ga.	1909
Whelchel, H.E., M.E.	.....	Supt. of Mines	1905-1909	Dahlonega, Ga.	.....
Willingham, E. D.	.....	Lumber Dealer	1905-1909	Price, Ga.	.....
Burnet, Carl B., Agr.	.....	.....	1905-1909	Atlanta, Ga.	.....
Galloway, T. O.	.....	Teacher	1905-1909	Dahlonega, Ga.	1909
Vaughn, P.W., B.B.S.	.....	Bookkeeper	1906-1909	Elberton, Ga.	1909
McKee, Burt, B.B.S.	.....	Merchant	1906-1909	Dahlonega, Ga.	1909
Price, F. S. L., A.B.	.....	Officer	-1909	Dahlonega, Ga.	1909
Ash, W. L., A.B.	.....	Teacher	-1909	Dahlonega, Ga.	1909
Shultz, C.	.....	R. F. D. Carrier	.....	Dahlonega, Ga.	1909
Glenn, Lillian, A.B.	.....	.....	1906-1910	Dahlonega, Ga.	1910
Glenn, Louise, A.B.	.....	.....	1906-1910	Dahlonega, Ga.	1910
Cavender, T. M., B.S.	.....	Clerk Bell Tele-	.....	.....	.....
Ellison, Julian, B.S.	.....	phone Co.	1906-1910	Dahlonega, Ga.	1910
	.....	Student	1907-1910	Waynesboro, Ga.	1910

GRADUATES OF THE N. G. A. COLLEGE

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Neal, Cecil, B.S.	Gainesville, Ga. ....	.....	1906-1910	Gainesville, Ga.	1910	
Phillips, B. H., B.S.	Priceville, Ga. ....	.....	1906-1910	Priceville, Ga.	1910	
Ray, Clark, B.S.	Macon, Ga. ....	.....	1906-1910	Newport, Ga.	1910	
Vandiviere, E. C., B.S.	Clarksville, Ga. ....	.....	1906-1910	Dawsonville, Ga.	1910	Prof. in 9th Dist. Agr'l College.
Davidson, J. W., E.M.	Knoxville, Tenn.	Merchant	1905-1910	Atlanta, Ga.	1910	
Kent, R. H., B. Agr.	Bradley, Ga.	Teacher	1906-1910	Butts, Ga.	1910	
Richard, L. M., E.M.	Curtis, S. D.	Mining Eng.	-1910	Gadistown, Ga.	1910	
Wallace, R. W., B.B.S.	Rutledge, Ga.	Cashier	1907-1910	Rutledge, Ga.	1910	
Cleveland, C. J., A.B.	Hartwell, Ga.	Merchant	1909-1911	Hartwell, Ga.	1911	
Fry, Marian, A.B.	Fairmount, Ga.	Teacher	1907-1911	Dahlonega, Ga.	1911	
McGee, J. P., A.B.	Atlanta, Ga.	Physician	1907-1911	Dahlonega, Ga.	1911	
Baker, H. L., B.S.	Atlanta, Ga.	Merchant	.....	.....	.....	
Bynum, G. L., B.S.	Clayton, Ga.	Lawyer	1907-1911	Pine Mt., Ga.	1911	
Cavender, Nellie, B.S.	Murrayville, Ga. ....	.....	1907-1911	Dahlonega, Ga.	1911	
Head, Nellie, B.S.	Dahlonega, Ga.	Teacher	1907-1911	Dahlonega, Ga.	1911	
Mathews, W. S., B.S.	Dahlonega, Ga. ....	.....	1907-1911	Hawkinsville, Ga.	1911	
Nelson, H. E.	Chatsworth, Ga.	Teacher	1907-1911	Suches, Ga.	1911	Prin. Chatsworth High School.
Mrs. Chas. Davis, nee Pearl Rice	Birmingham, Ala. ....	.....	1907-1912	Dahlonega, Ga.	1912	
Wood, H. G., B.S.	Jasper, Ga.	Lawyer (dead)	1907-1911	Jasper, Ga. ....	.....	
Ellison, Julian, E.M.	Waynesboro, Ga. ....	.....	1907-1911	Waynesboro, Ga. ....	.....	
McDaniel, W. C., E.M.	Albany, Ga. ....	.....	1907-1911	Albany, Ga. ....	.....	
Fraser, D. A., B.B.S.	Hinesville, Ga. ....	.....	1907-1911	Hinesville, Ga. ....	.....	
Huff, J. G., A.B.	Dahlonega, Ga. ....	.....	1908-1912	Dahlonega, Ga. ....	.....	
McGee, Alice, A.B.	Dahlonega, Ga.	Teacher	1908-1912	Dahlonega, Ga.	1912	
Rice, Pearl, A.B.	Dahlonega, Ga.	Teacher	1908-1912	Dahlonega, Ga.	1912	
Harris, R. W., B.S.	Dalton, Ga. ....	.....	1908-1912	Dalton, Ga.	1912	
Huie, W. E., B.S.	College Park, Ga. ....	.....	1908-1912	College Park, Ga.	1912	

McKee, H. G., B.S. . .	Ellenwood, Ga. . . . .	.....	1908-1912	Ellenwood, Ga.	1912	
Rogers, A. A., B.S. . .	Commerce, Ga. . . . .	.....	1908-1912	Commerce, Ga.	1912	
Stanton, Mary	Douglas, Ga.	Teacher	1908-1912	Dahlonega, Ga.	1912	
Gibbs, J. A., B.Agr. . .	Bostwick, Ga. . . . .	.....	1908-1912	Bostwick, Ga.	1912	
McKee, Ora, B.Ph. . .	Burtsboro, Ga.	Teacher	1908-1912	Burtsboro, Ga.	1912	
Orr, J. E., B.B.S. . . .	Emma, Ga. . . . .	.....	1908-1912	Emma, Ga.	1912	
Smith, E. W., B.B.S. .	Gainesville, Ga. . . . .	.....	1908-1912	Gainesville, Ga.	1912	
Smith, L. W., B.B.S. .	East Point, Ga.	Casher	1908-1912	Gainesville, Ga.	1912	
Pendley, Chas., E.M. .	Marble Hill, Ga. . . . .	.....	1908-1912	Marble Hill, Ga.	1912	
Boyd, W. L.	Young Harris, Ga. . . .	Teacher	1907-1913	Dahlonega, Ga.	1913	Prof. History Young Harris College.
Brooksher, Blanche . .	Dahlonega, Ga.	Teacher	1908-1913	Dahlonega, Ga.	1913	Teacher Dahlonega Graded School.
Cantrell, P. L. . . . .	.....	.....	1908-1913	Dahlonega, Ga.	1913	
Huie, H. G.	Riverdale, Ga.	Cashier	1909-1913	Riverdale, Ga.	1913	
Ledbetter, H. M. . . .	Collinsville, Okla. . . .	Real Estate	1909-1913	Porun, Okla.	1913	
Mathews, W. S.	Ft. Wayne, Ind.	Engineer	1908-1913	Hawkinsville, Ga. . . .	1913	
Meaders, H. T.	Clermont, Ga.	Engineer	1909-1913	Swain.sboro, Ga.	1913	
Pilcher, J. D.	Ft. Wayne, Ind.	Engineer	1909-1913	Augusta, Ga.	1913	Prin. Maysville Graded School.
Sargent, H. T.	Dahlonega, Ga.	Teacher	1907-1913	Dahlonega, Ga.	1913	
Sargent, J. L.	Dahlonega, Ga.	Teacher	1907-1913	Dahlonega, Ga.	1913	Prin. Dawsonville High School.

CLASS 1914

Name	Present Address	Occupation.	Years in College.	Residence when in College.	Grad.	Remarks.
Chamlee, Guy, E. M.	Mammoth, Cal.	Mining & Eng. ..	1910-1914	Canton, Ga.	1914	
Keith, H. W., A.B....	Jesup, Ga.	Teacher	1911-1914	Clermont, Ga.	1914	Prin. Jesup High School.
King, F. P., E.M. ...	Spring Place, Ga. ...	Cashier	1910-1914	Spring Place, Ga.	1914	
Nicholson, E., B.B.S.	Cuthbert, Ga.	Teacher	1908-1914	Pine Mt., Ga.	1914	Teacher in Cuthbert School.
Peyton, G., E.M. ...	Mammoth, Cal.	Mining & Eng. ..	1908-1914	Mt. Airy, Ga.	1914	
Quillian, Mary L. A.B.	Brookton, Ga.	Student in ..	1909-1914	Gainesville, Ga.	1914	
Rogers, R. Lee, B.Ph.	Atlanta, Ga.	Medical College ..	1909-1914	Gainesville, Ga.	1914	Teacher in 9th District Agricultural School.
Wiley, M. C., A.B....	Clarksville, Ga.	Teacher	1910-1914	Ball Ground, Ga.	1914	

INDEX

Admission Requirements	21
Department of Agriculture	53
Botany	63
Brown Fund, The Charles McDonald	19
Chemistry, Physics and Geology, Department of	32
Committees, Faculty	8
A. B., B. B. S., B. Ph., Degrees	44
Dormitories	17
Drawing	29
English, Admission	22
English, Department of	35
Expenses	18
Faculty and Officers	7
French	39
Furnishings for Rooms	13
Geology	32
History, Admission	27
Horticulture	59
Latin, Admission	26
Latin, Department of	36
Library	14
Literary Societies	16
Literature	35
Location	11
Mathematics, Admission	25
Mathematics, Department of	33
Military Department	33
Mining Engineering, Department of	63
Miscellaneous	19
Origin and Purpose	11
Philosophy and Education, Department of	29
Physics	32
Preparatory Department	17
Schedule of Recitations	9
Typewriting	51
Uniforms and Cost	91
Zoology	63

PRINTING
...BY...
JOHNSON-
DALLIS
COMPANY
ATLANTA



